

Model Reporting Area for Blindness Statistics:
1966 Annual Statistical Report

Statistics for 1966 on Blindness in the Model Reporting Area

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

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Public Health Service
National Institutes of Health
National Institute of Neurological Diseases and Blindness
Office of Biometry
Section on Blindness Statistics

Contents

Subject	Page
Tables in this report.....	IV & V
Introduction.....	1
MRA initiators.....	1
Reporters to MRA registers.....	1
Table types.....	1
Data classifications in tables.....	1
Zeroes in tables.....	1
Why percents did not add to 100.....	2
Why some rates were not computed.....	2
Additions/removals not reported herein for Georgia.....	2
Definitions of concepts this report uses.....	2
Person	Age
Visual acuity	Age when blinded
Visual field	Color/sex
Blind	Eye examiner discipline
Affection	Model Reporting Area
Etiology	(MRA)
	MRA register
Registered person's	record
Net addition	Blindness incidence
	Registered
	population
	Blindness
	prevalence
	Blindness rate
Characteristics of additions.....	4
Characteristics of registered population.....	5
Visual acuity difference between additions and registered population.....	5
Not known and corresponding known blind populations.....	5
Why additions differed from population blinded in 1966.....	5
Why registered population differed from blind population.....	6
Why number blinded in our Nation could not be estimated from additions.....	6
Why our Nation's blind population could not be estimated from registered population.....	6
Statistics on blindness NINDB has published before this report.....	6

Tables

Table number	Table title	Page	Table number	Table title	Page
1a	Midyear Population, Additions to MRA Register, Removals and Year-end Balance for 1965 by State.....	8	1b	Midyear Population, Additions to MRA Register, Removals, and Year-end Balance for 1966 by State.....	9
2a	Additions to MRA Registers in 1966; Number by Age and Color/Sex.....	10	2b	Additions to MRA Registers in 1966; Rate by Age and Color/Sex....	11
3a	Additions to MRA Registers in 1966; Number by Color/Sex and State.....	12	3b	Additions to MRA Registers in 1966; Rate by Color/Sex and State..	13
4a	Additions to MRA Registers in 1966; Number by Age and State....	14	4b	Additions to MRA Registers in 1966; Rate by Age and State.....	15
5a	Additions to MRA Registers in 1966; Number by Visual Acuity and State.....	16	5b	Additions to MRA Registers in 1966; Percent of State Total by Visual Acuity.....	17
6a	Additions to MRA Registers in 1966; Number by Visual Acuity and Color/Sex.....	18	6b	Additions to MRA Registers in 1966; Percent of Color/Sex Total by Visual Acuity.....	19
7a	Additions to MRA Registers in 1966; Number by Visual Acuity and Age.....	20	7b	Additions to MRA Registers in 1966; Percent of Age Total by Visual Acuity.....	21
8a	Additions to MRA Registers in 1966; Number by Age When Blinded and State.....	22	8b	Additions to MRA Registers in 1966; Percent of State Total by Age When Blinded.....	23
9a	Additions to MRA Registers in 1966; Number by Eye Examiner Discipline and State.....	24	9b	Additions to MRA Registers in 1966; Percent of State Total by Eye Examiner Discipline.....	25
10a	Additions to MRA Registers in 1966; Number by Eye Examiner Discipline and Visual Acuity.....	26	10b	Additions to MRA Registers in 1966; Percent of Eye Examiner Discipline Total by Visual Acuity.....	27
11a	Additions to MRA Registers in 1966; Number by Affection and State.....	28	11b	Additions to MRA Registers in 1966; Percent of State Total by Affection.....	29
12a	Additions to MRA Registers in 1966; Number by Affection and Color/Sex.....	30	12b	Additions to MRA Registers in 1966; Percent of Color/Sex Total by Affection.....	31
13a	Additions to MRA Registers in 1966; Number by Affection and Age.....	32	13b	Additions to MRA Registers in 1966; Percent of Age Total by Affection.....	33
14a	Additions to MRA Registers in 1966; Number by Affection and Visual Acuity.....	34	14b	Additions to MRA Registers in 1966; Percent of Affection Total by Visual Acuity.....	35
15a	Additions to MRA Registers in 1966; Number by Etiology and State.....	36	15b	Additions to MRA Registers in 1966; Percent of State Total by Etiology.....	37
16a	Additions to MRA Registers in 1966; Number by Etiology and Color/Sex.....	38	16b	Additions to MRA Registers in 1966; Percent of Color/Sex Total by Etiology.....	39

Table number	Table title	Page	Table number	Table title	Page
17a	Additions to MRA Registers in 1966; Number by Etiology and Age..	40	17b	Additions to MRA Registers in 1966; Percent of Age Total by Etiology.....	41
18a	Additions to MRA Registers in 1966; Number by Etiology and Visual Acuity.....	42	18b	Additions to MRA Registers in 1966; Percent of Etiology Total by Visual Acuity.....	43
19a	Additions to MRA Registers in 1966; Number by Etiology and Affection.....	44	19b	Additions to MRA Registers in 1966; Percent of MRA Total by Etiology and Affection.....	45
20a	Additions to MRA Registers in 1966; Number by Etiology and Multiple Affection.....	46	20b	Additions to MRA Registers in 1966; Percent of MRA Total by Etiology and Multiple Affection.....	47
21a	Removals From MRA Registers in 1966; Number by Removal Reason and State.....	48	21b	Removals From MRA Registers in 1966; Percent of State Total by Removal Reason.....	49
22a	Population in MRA Registers on December 31, 1966; Number by Age and Color/Sex.....	50	22b	Population in MRA Registers on December 31, 1966; Rate by Age and Color/Sex.....	51
23a	Population in MRA Registers on December 31, 1966; Number by Color/Sex and State.....	52	23b	Population in MRA Registers on December 31, 1966; Rate by Color/Sex and State.....	53
24a	Population in MRA Registers on December 31, 1966; Number by Age and State.....	54	24b	Population in MRA Registers on December 31, 1966; Rate by Age and State.....	55
25a	Population in MRA Registers on December 31, 1966; Number by Visual Acuity and State.....	56	25b	Population in MRA Registers on December 31, 1966; Percent of State Total by Visual Acuity.....	57
26a	Population in MRA Registers on December 31, 1966; Number by Visual Acuity and Color/Sex.....	58	26b	Population in MRA Registers on December 31, 1966; Percent of Color/Sex Total by Visual Acuity.....	59
27a	Population in MRA Registers on December 31, 1966; Number by Visual Acuity and Age.....	60	27b	Population in MRA Registers on December 31, 1966; Percent of Age Total by Visual Acuity.....	61
28	Additions to MRA Registers 1962-66; Rate by Year and State.....	62	29	Population in MRA Registers on December 31, 1962-66; Rate by Year and State.....	63

Statistics for 1966 on Blindness in the Model Reporting Area (MRA)

Introduction

This report classifies, in a variety of ways, MRA's registered blind population on December 31, 1965, additions and removals in 1966, and registered population on December 31, 1966. It also presents data on additions in 1962, 1963, 1964, and 1965 and the registered population on December 31 of those years.

Model Reporting Area (MRA) initiators

National Institute of Neurological Diseases and Blindness (NTNDB) in cooperation with the National Society for the Prevention of Blindness, the American Foundation for the Blind, and the U.S. Public Health Service's Chronic Disorders Division organized MRA in 1962.

Reporters to MRA register

Ophthalmologists, eye-ear-nose-and-throat specialists, other MD's, optometrists, and eye

clinics, hospitals, homes for aged, nursing homes, etc., reported blind persons to registers in 1966.

Table types

A table classifies additions, removals, or registered population in two ways; for example, visual acuity by age. It distributes characteristics of blind persons by number of persons, number per 100,000 population, or as percents of various totals. Thus, this report contains number, rate, and percent tables.

Data classifications in tables

This report classifies blind persons in 11 ways but a table classifies them in only two ways. These 11 classifications are: Color/sex, state, person's age in 1966, age when blinded, visual acuity, eye examiner discipline, affection, etiology, multiple affection, reason for removal from register, and year.

Color/sex groups are: Male, female, white, white male, white female, nonwhite, nonwhite male, nonwhite female, unknown color, unknown color male, and unknown color female.

States are: Connecticut, Georgia, Kansas, Louisiana, Massachusetts, New Hampshire, New Jersey, New Mexico, North Carolina, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Virginia.

Age groups are: Under, 5-19, 20-44, 45-64, 65-74, 75-84, 85 and over, and unknown.

Age when blinded groups are: At birth, under 5, 5-19, 20-44, 45-64, 65-74, 75-84, 85 and over, and unknown.

Visual acuity groups are: Absolutely blind, light perception, light projection, less than 5/200, 5/200 to less than 10/200, 10/200 to less

than 20/200, 20/200, restricted visual field, and unknown.

Eye examiner discipline groups are: Ophthalmologist or EENT specialist, other MD, optometrist, other, and unknown.

Affection groups are: Glaucoma (not congenital), myopia, keratitis, other affection of cornea or sclera, cataract, uveitis, retrolental fibroplasia, retinal degeneration, other retinal affection, optic nerve atrophy, multiple affection, other, and unknown.

Etiology (cause) groups are: Infectious disease, injury and poisoning, neoplasm, diabetes, senile degeneration, vascular disease, other general disease, prenatal influence, multiple etiologies, unknown to science, and not reported or determined.

Multiple affection groups are:

Glaucoma and other;

Cataract and other;

Retinal affection and other with diabetic etiology;

Retinal affection and other without diabetic etiology;

Degenerative myopia and other; and

Other.

Multiple affections do not include multiple congenital ocular malformations, injury to more than one part of an eye, or multiple affections in which the affection which was the first cause of blindness is known.

Removal reasons are: Death, left state, sight restored, unable to locate, and other.

Years are: 1962, 1963, 1964, 1965, and 1966.

Zeros in tables

A zero in a table indicates absence of quantity. A rate or a percent for a zero quantity is designated as 0. A percent greater than zero

but less than one-half percent was rounded to 0.0. A rate greater than 0 but less than 0.05 was rounded to 0.0.

Why percents did not add to 100

Percents did not add to 100 due to rounding.

Why some rates were not computed

A rate was not computed if a group had less than 25,000 people, or if age or color was unknown for more than 10 percent of a group.

An uncomputed rate is identified in a table with a dash (-), an asterisk (*), or a double asterisk (**). The first identifies a rate that was not computed because population was less than 25,000, the second a not computed rate due to unknown age, and the third a not computed rate due to unknown color.

Additions/removals not reported herein for Georgia

Data are presented herein only for Georgia's registered population on December 31, 1966. Additions/removals for 1966 are not reported because Georgia was admitted into the MRA that year.

Georgia's population was not included in the MRA total population in computation of addition rates for the MRA. However, the Georgia population was included in the MRA total population in computation of rates reflecting the number of registered blind persons in the MRA per 100,000 population in the MRA.

Definitions of concepts this report uses

Person: An addition or a removal in 1966, or an individual in a register.

Visual acuity: A measure of vision's sharpness or ability to resolve detail, or of its acuteness or clearness. It indicates how well better eye sees with best correction, or how it deviates from normal vision which is 20/20 (eye tested at 20 feet, and at that distance smallest letters it could read subtended a 5-minute angle).

Visual acuity groups presented herein are as follows:

<i>Visual acuity</i>	<i>Comment</i>
20/200.....	Minimum visual loss (or maximum visual capability) to be classified blind or legally blind.
10/200 (20/400) to less than 20/200.	
5/200 (20/800) to less than 10/200 (20/400).	Count fingers at 3 feet to less than 10 feet.
Less than 5/200 (20/800)...	Perceive motion or form. Count fingers at less than 3 feet.
Accurate light projection only:	Perceive light and locate it.
Light perception only.....	Faulty light projection. Perceive light but unable to locate it.
Absolutely blind.....	Cannot perceive light. Total visual loss or zero visual capability.

Even if visual acuity exceeds 20/200, a person is classified blind, if visual field is restricted to 20°.

Some very young and very old persons were classified blind even when their visual acuity was unknown or not precisely measured. Even without precise measurement, their visual acuity was certified to be 20/200 or less. If their visual acuity was believed to exceed 20/200, their visual field was certified to be restricted to 20°.

The report, therefore, presents data for nine visual acuity groups.

Visual acuity is often expressed as a fraction, i.e., 20/20, 20/50, 20/200, 10/200, etc. Numerator

is distance from eye to chart from which it reads letters of various sizes. Denominator is distance at which smallest letters that eye could read subtended a 5-minute angle. Normal vision is 20/20. The numerator indicates that the chart was 20 feet from the eye. The denominator indicates that the smallest letters the eye could read subtended a 5-minute angle when 20 feet from the eye. A visual acuity of 20/200 means that the chart was 20 feet from the eye (numerator), and that the smallest letters the eye could read from 20 feet subtended a 5-minute angle at 200 feet (denominator) from the eye. A 10/200 visual acuity means that the chart was 10 feet from the eye, and the smallest letters it could read subtended a 5-minute angle when 200 feet from the eye.

When visual acuity is expressed in decimals, 20/20 vision is 1, 20/40 vision is 0.5, etc. Some believe that 20/40 vision is half normal, but this is not correct. Visual acuity expressions are not fractions in this sense.

Visual field: The area seen by the normal eye has a certain size and shape. Disease or injury may restrict this size or shape or both. If visual field is restricted to 20°, the person is classified blind even if visual acuity exceeds 20/200.

Blind: Visual acuity in better eye with best correction is 20/200 or less. Even if visual acuity exceeds 20/200, the person is classified blind if visual field is restricted to 20°.

Affection: It is the condition (lesion) of a site that blinded a person. The site may be the eye, optic pathway, or oculomotor centers. Affections are: Glaucoma (not congenital), myopia, keratitis, other affections of cornea or sclera, cataract, uveitis, retrolental fibroplasia, retinal degeneration, other retinal affection, optic nerve atrophy, multiple affection, other, and

unknown. Site usually is the anatomic location of a lesion that impaired the visual acuity. How this site was impaired often alludes to general pathologic process. For example, in interstitial keratitis, site is the cornea's connective tissue layer, and its inflammation is the blinding agent. In optic neuritis, optic nerve is the site and its inflammation is the blinding force.

Etiology: It is the basic reason why an affection (lesion) developed. Etiologies are: Infectious disease, injury and poisoning, neoplasm, diabetes mellitus, senile degeneration, vascular disease, other general disease, prenatal influence, multiple etiologies, unknown to science, and not reported or determined. Etiology is the basic reason for a lesion that the affection identifies. Tuberculosis, an infectious disease, may produce interstitial keratitis, a blinding affection. Multiple sclerosis is an etiology which can generate retrobulbar neuritis, a blinding affection.

Age: Age of a person is: Under 5, 5-19, 20-44, 45-64, 65-74, 75-84, 85 and over, or unknown.

Age when blinded: An addition in 1966 did not necessarily become blind then. Age when blinded is: At birth, under 5, 5-19, 20-44, 45-64, 65-74, 75-84, 85 and over, or unknown.

Color/sex: Color is white, nonwhite, or unknown, and sex is male, female, or unknown. MRA classifies race as white (Caucasian), Negro, Indian, other, or unknown. A register omits a person's race if recording it contradicts a law. This report does not present any data on race.

Eye examiner discipline: This discipline is medical or non-medical. The medical are ophthalmologists, eye-ear-nose-and-throat (EENT)

specialists, and other MD's. The non-medical are optometrists and others.

Model Reporting Area (MRA): This is a voluntary association of states. Each maintains a blindness register in a single agency and adheres to specified standards. It defines blindness as a visual acuity of 20/200 or less, or a visual field restricted to 20°. It collects specified information for each registered person, updates its register annually, classifies blinding affections with a prescribed 3-digit code, and their etiologies (causes) with a prescribed 4-digit code. A state forwards punched cards to NINDB each year for preparation of statistics such as published herein. MRA members in 1966 were Connecticut, Georgia, Kansas, Louisiana, Massachusetts, New Hampshire, New Jersey, New Mexico, North Carolina, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Virginia. This report presents statistics by state and for MRA (all MRA states combined).

MRA register: This is the prescribed record (data element set) for each blind person in a register.

Registered person's record: This record contains five dates, indicating when born, when blinded, when eyes were examined, when added to MRA register, and when removed from it. It specifies visual acuity, blinding affection and its etiology (cause). It gives residence county, sex, and race (white, Negro, Indian, or other). However, this report presents statistics only for whites and nonwhites. It identifies the eye examiner discipline as medical or non-medical. Medical are ophthalmologist, eye-ear-nose-and-throat specialist and other M.D. Non-medical are optometrist and other.

Finally, it states the reason for removal from an MRA register. These are: Died, left state,

recovered vision, could not be located, and other. Statistics presented herein were derived from this record.

Addition: This is the establishment of a record for a person reported to the register. A record is supposed to be established when visual acuity was reduced to 20/200 or less, or when visual field was restricted to 20°. Delayed detection of visual acuity and/or its delayed reporting delays record establishment.

New addition: This is an addition that had not been in the register before. Only 3.7 percent of additions in 1966 were readditions that returned to state or were blinded after having recovered from blindness.

Readdition: This is the addition of a previously registered person who was removed from the register due to vision recovery or departure from state. Readdition results from return to state or upon being blinded again.

Gross addition: This is the sum of all persons added to a register in 1966.

Removal: This is the removal of the person's record from the register. A record is removed upon death, departure from state, when visual acuity exceeds 20/200 or when the state cannot locate the person.

Net addition: This is the difference between gross additions and removals. MRA states added 5,684 persons to their registers in 1966 and removed 4,596 persons from them, thus the net addition was 1,088.

Blindness incidence: This is the population that was blinded in 1966. Additions to a register in 1966 included persons who were blinded in previous years, and blind persons who migrated into the state. Some persons who were blinded in 1966 were not added to a register. Con-

sequently, additions differed from blindness incidence in both composition and size.

Registered population: The population in a register on December 31, 1966, was its population on December 31, 1965, plus additions to it in 1966 less removals from it in 1966.

Blindness prevalence: This is the number of blind people in a state on a specified day. Prevalence on December 31, 1966, differed from registered population because some blind persons were not in the register, and some registered persons had died, recovered their vision, or left the state.

Blindness rate: This is the number of blind persons per 100,000 resident population. For example, the rate for females is the number blind per 100,000 females. Similarly, the rate for males is the number blind per 100,000 males.

Rates are presented herein for additions to MRA registers in 1966 and for the registered population on December 31, 1966. These rates were calculated for each state and entire MRA. The rates were calculated for males, females, persons aged 85 and over, whites, nonwhites, etc.

It should be noted that the number of persons blinded in 1966, or the number blind on December 31, 1966, could not be calculated from MRA registers.

There are known rates and unknown ones. We know the additions to a register per 100,000 population, the number removed per 100,000 and the number of registered persons on December 31, 1966, per 100,000. We do not know the number blinded in 1966 per 100,000 population and the number that were blind on December 31, 1966. Thus, we do not know the blindness incidence rate for 1966 and the blindness prevalence rate on December 31, 1966.

A state's registered blind rate per 100,000 of its population was calculated from its enumerated population as of April 1, 1960, and its estimated population as of July 1, 1966, both obtained from U.S. Census Bureau publications.¹ The state's 1960 population was calculated for each color, age, and sex as percent of its total population in 1960. Its total estimated population on July 1, 1966 was multiplied by these percents to estimate population of each category in 1966. A category's population was divided into its registered blind population and quotient was multiplied by 100,000 to obtain its registered blind rate.

Characteristics of additions

MRA states added 5,684 persons to their registers in 1966 and removed 4,596 from them. This left a net gain of 1,088, and resulted in an addition rate of 15.3 per 100,000 population.

Addition rates differed by sex, color of person, and age. The rate was higher for females over males, for old persons over the young, and for nonwhites over whites. The nonwhite rate was almost twice the white rate probably because of their different socioeconomic conditions. Addition rates increased with age because much blindness results from processes associated with aging.

Only one of 20 additions was totally blind, one of four had a 20/200 visual acuity, and one of two had a 10/200 or better visual acuity. A 20/200 visual acuity probably was less frequent than reported. It was reported if visual acuity

was 20/200, if it could not be measured precisely, or if it was measured carelessly. It also was reported because it separates blind from sighted. Nonwhite additions lost more of their visual acuity than whites. A restricted visual field was more common in nonwhite additions over whites, and in males over females.

Age when blinded, which is difficult to determine and was poorly reported, is unknown for approximately three of 10 additions.

A variety of single affections blinded the additions. Cataract, retinal degeneration, other retinal affections, and glaucoma were the most frequent, in diminishing frequency order. They blinded two of three additions leaving only one of three to be blinded by other affections of which there are nine. Hence, some affections blinded many additions while others blinded only a few. Affections occurred at the same rate in males and females except optic nerve atrophy which blinded a higher percent of males, and cataract which blinded a higher percent of females. Glaucoma blinded a higher percent of nonwhites than whites but retinal degeneration and other retinal affection was more common in whites. Optic nerve atrophy was more frequent in young additions than in the old. However, these statistics prove, and it is widely known otherwise, that glaucoma was much more common in the old. Among the affections, retrolental fibroplasia had the highest rate of absolute blindness (no light perception) and glaucoma had the highest rate of restricted visual field.

The etiologies for the additions differed by color of person, sex, age, visual acuity, and affection. Not reported or determined, senile degeneration, prenatal influence, unknown to

¹ Enumerated population on April 1, 1960, from U.S. Census Bureau Publication General Population Characteristics PC(1), vol. B, Census of Population for 1960. Estimated population on July 1, 1966, from U.S. Census Bureau Publication Series p-25, No. 380 (November 24, 1967).

science, and diabetes were the most frequent etiologies. They blinded 84 percent of additions, leaving only 16 percent to be blinded by other causes of which there were six. Injury and poisoning blinded a higher percent of males than females in both whites and nonwhites. However, diabetes blinded a higher percent of females than males probably because a higher percent of females had diabetes than males did. Senile degeneration blinded a higher percent of whites than nonwhites. Prenatal influence blinded primarily the young. It blinded 48 percent of 138 under age 5 additions, 64 percent of 433 additions in 5 to 19 ages, and 34 percent of 522 in 20 to 44 ages. Injury and poisoning was more frequent in under 45 ages than for higher ages. Most blindness from diabetes occurred in ages 20 to 74. Senile degeneration, unknown to science, and not reported or determined causes were more frequent after age 64 than before. Injury and poisoning blinded one-fourth of its 140 victims totally (no light perception) and reduced one-sixth of them to a 20/200 visual acuity. Neoplasms blinded 28 percent of their 57 victims totally (no light perception). Less than light projection was reported for 44 percent of the 197 whom injury and poisoning or neoplasms blinded. The most frequent etiologies for the most frequent affections were as follows:

<i>Most frequent affection</i>	<i>Most frequent etiology for the affection</i>
Cataract.....	Senile degeneration and prenatal influence.
Retinal degeneration....	Senile degeneration and prenatal influence.
Other retinal affection...	Diabetes.
Glaucoma.....	Unknown to science.

Multiple affections blinded only 459 of 4,965 additions. They blinded a significantly higher percent of whites than nonwhites. However,

this does not necessarily mean that more whites have multiple affections. Multiple is coded only when it cannot be determined which affection was the primary cause of blindness.

Characteristics of registered population

MRA registers had 61,037 persons on December 31, 1966, which was 147 per 100,000 population.

Males and females were present in the registered population at about the same rate, i.e., there were about the same number of males per 100,000 males as females per 100,000 females. Both sexes had the lowest rates in the under age 5 group. However, these rates increased sharply with age. Males had higher rates than females to age 74. Females were higher after that. About 2.9 percent of the population of age 85 and over was blind.

Nonwhites in registers per 100,000 nonwhites was equal to twice the white rate.

MRA's registered blind rate (number in registers per 100,000 population in MRA) is more likely to be valid (accurately reflect blindness per 100,000 population) than a state's rate. A state's rate is most likely to be valid if it is not greater than 160 or less than 140.

The most frequent visual acuity in the registered population was 20/200. About 12 percent of them were totally blind (no light perception), 13 percent had light perception or projection, 5 percent had a restricted visual field, and 9 percent were presumed blind because eye examiners could not examine them adequately or did not report their visual acuity. Visual acuities did not greatly differ by sex. However, severe loss of visual acuity was more common in nonwhites than in whites.

Visual acuity difference between additions and registered population

Percent of age group total by visual acuity was similar for additions and for the registered population. However, the absolute blindness (no light perception) rate was higher in the registered population than in the additions.

Not known and corresponding known blinded in 1966

For each known blind population, a state has a corresponding unknown blind population. The registered blind population corresponds to the unknown blind population, additions to the register correspond to the unknown additions to the blind population, and removals from the register correspond to unknown removals from the blind population.

The knowns differ from the corresponding unknowns both in composition and size but we do not know the magnitude of this difference for composition or size.

Why additions differed from population blinded in 1966

For several reasons, additions to registers differed from population blinded in 1966. When a person was blinded is difficult to determine precisely. A person found to be blind in 1966 might have been blinded in 1966 or before, and may not have been reported for registration. A person whose eyes were examined in 1966 and found not blind then but was blinded later in 1966 would not be registered. A person who was blinded in 1966 but whose eyes were not examined would not be registered. A blind person migrating into a state might be added to its register. A person blinded in 1966 might have been added to a register more than once. A

person might have been added to a register in 1966 but the record might have been lost. A slight error in visual acuity measurement might classify the blind as sighted or the sighted as blind.

Why registered population differed from blind population

The registered population differed from the blind population in both composition and size because some blind persons were not registered and some registered persons did not belong in the register due to vision recovery, departure from state, death, or they could not be located, and also because the state and NINDB may have mishandled registration data, or did not update the data elements in a registered persons record.

Why number blinded in our Nation could not be estimated from additions

The population blinded in our Nation in 1966 could not be derived from additions to MRA registers in 1966 because these populations dif-

fered from each other in both magnitude and composition. The population that was blinded in the MRA was smaller than the population that was blinded in the Nation and these populations probably differed from each other in composition.

Why our Nation's blind population could not be estimated from registered population

MRA's blind population on December 31, 1966, differed in both composition and size from its registered blind population. Furthermore, MRA's blind population was smaller than the Nation's blind population and the two populations probably differed from each other in composition. Consequently, we cannot estimate the Nation's blind population from MRA's registered population with a known accuracy degree.

Statistics on blindness NINDB has published before this report

NINDB has published a yearly report on the registered blind beginning with 1962 and ending with 1965. These reports are:

Model Reporting Area for Blindness Statistics, 1962; Public Health Service Publication 1176.
Model Reporting Area for Blindness Statistics, 1963; Public Health Service Publication 1312.
Model Reporting Area for Blindness Statistics, 1964; Public Health Service Publication 1419.
Model Reporting Area for Blindness Statistics, 1965; Public Health Service Publication 1601.

When first released, each of these publications could be purchased from the Superintendent of Documents, U.S. Government Printing Office. At present, publications 1176, 1312, and 1419 are out of print and are not available for purchase. Publication 1601 is available for purchase at a price of 30 cents each.

Free copies of these four publications are obtainable from NINDB until present supplies have been exhausted by addressing requests to: Head, Section on Blindness Statistics, Office of Biometry, National Institute of Neurological Diseases and Blindness, National Institutes of Health, Bethesda, Maryland 20014.

Tables for 1966

Table 1a.—Midyear Population, Additions to MRA Register, Removals, and Year-end Balance for 1965 by State

State	Estimated midyear population ¹ (thousands)	Additions to MRA register		Removals from MRA register (number)	Population in register at yearend	
		Number	Rate ²		Number	Rate ²
MRA total.....	36,735	5,708	15.8	4,943	54,892	149.4
Connecticut.....	2,830	333	11.8	278	3,256	115.1
Kansas.....	2,248	376	16.7	345	3,263	145.2
Louisiana.....	3,560	422	11.9	610	6,027	169.3
Massachusetts.....	5,361	989	18.4	730	9,713	181.2
New Hampshire.....	673	133	19.8	105	1,039	154.4
New Jersey.....	6,781	691	10.2	257	7,408	109.2
New Mexico.....	1,014	178	17.6	458	2,606	257.0
North Carolina.....	4,935	1,264	25.6	1,401	10,114	204.9
Oregon.....	1,938	472	24.4	309	2,331	120.3
Rhode Island.....	891	94	10.5	60	1,097	123.1
South Dakota.....	686	(³)	(³)	100	859	125.2
Utah.....	994	151	15.2	(³)	1,200	120.7
Vermont.....	404	80	19.8	95	676	167.3
Virginia.....	4,420	525	11.9	195	5,303	120.0

¹ Source: Bureau of the Census current population reports, series P-25, No. 348, September 16, 1966. The figures include persons in the Armed Forces stationed in each State but exclude Armed Forces overseas.

² Number per 100,000 population.

³ Not available.

Table 1b.—Midyear Population, Additions to MRA Register, Removals, and Year-end Balance for 1966 by State

State	Estimated midyear population ¹ (thousands)	Additions to MRA register		Removals from MRA register (number)	Population in register at yearend	
		Number	Rate ²		Number	Rate ²
MRA total.....	41, 602	5, 684	15. 3	4, 596	61, 037	146. 7
Connecticut.....	2, 878	403	14. 0	260	3, 402	118. 2
Georgia.....	4, 445	(³)	(³)	(³)	5, 055	113. 7
Kansas.....	2, 275	379	16. 7	343	3, 299	145. 0
Louisiana.....	3, 617	380	10. 5	297	6, 110	168. 9
Massachusetts.....	5, 403	1, 011	18. 7	983	9, 741	180. 3
New Hampshire.....	676	143	21. 2	138	1, 048	155. 0
New Jersey.....	6, 899	636	9. 2	737	7, 295	105. 7
New Mexico.....	1, 002	67	6. 7	154	2, 532	252. 7
North Carolina.....	4, 974	1, 157	23. 3	867	10, 383	208. 7
Oregon.....	1, 973	453	23. 0	298	2, 489	126. 2
Rhode Island.....	898	79	8. 8	92	1, 086	120. 9
South Dakota.....	679	116	17. 1	50	921	135. 6
Utah.....	1, 007	149	14. 8	100	1, 250	124. 1
Vermont.....	411	79	19. 2	60	695	169. 1
Virginia.....	4, 465	632	14. 2	217	5, 731	128. 4

¹ Source: Bureau of the Census current population reports, series P-25, No. 380, Nov. 24, 1967. The figures include Armed Forces stationed in each State but exclude Armed Forces overseas.

² Number per 100,000 population.

³ Not available.

Table 2a.—Additions to MRA Registers in 1966; Number by Age and Color/Sex

Color/sex group	Age group								
	Total	Under 5	5-19	20-44	45-64	65-74	75-84	85 and over	Unknown
MRA total.....	1 5,684	150	506	613	1,368	921	1,276	654	196
Male.....	2,613	85	284	343	692	396	504	229	80
Female.....	3,071	65	222	270	676	525	772	425	116
White.....	4,373	110	365	459	980	701	1,088	577	93
Male.....	2,003	63	207	263	508	306	429	193	34
Female.....	2,370	47	158	196	472	395	659	384	59
Nonwhite.....	1,000	18	91	134	358	183	146	52	18
Male.....	453	11	47	66	163	76	59	25	6
Female.....	547	7	44	68	195	107	87	27	12
Unknown color.....	311	22	50	20	30	37	42	25	85
Male.....	157	11	30	14	21	14	16	11	40
Female.....	154	11	20	6	9	23	26	14	45

¹ Includes 5,471 new additions and 213 readitions.

Table 2b.—Additions to MRA Registers in 1966; Rate by Age and Color/Sex

(A rate for a color or sex for an age group is equal to 100,000 times the number of such persons added to MRA registers divided by MRA's total population of such persons.)

Color/sex group	Age group							
	Total	Under 5	5-19	20-44	45-64	65-74	75-84	85 and over
MRA total.....	15. 3	3. 5	5. 0	5. 1	18. 6	41. 8	137. 6	342. 4
Male.....	14. 3	4. 0	5. 5	5. 8	19. 4	39. 4	128. 2	318. 1
Female.....	16. 3	3. 1	4. 4	4. 4	17. 9	43. 9	144. 6	354. 2
White.....	13. 4	(**)	4. 2	4. 3	14. 7	34. 8	127. 1	329. 7
Male.....	12. 4	(**)	4. 7	5. 0	15. 7	33. 4	118. 8	296. 9
Female.....	14. 3	(**)	3. 7	3. 6	13. 8	36. 0	132. 9	349. 1
Nonwhite.....	22. 4	(**)	6. 2	9. 8	51. 0	96. 8	205. 6	(—)
Male.....	20. 8	(**)	6. 4	10. 1	48. 1	85. 4	178. 8	(—)
Female.....	23. 9	(**)	6. 0	9. 4	53. 7	107. 0	228. 9	(—)

— Not computed because MRA had less than 25,000 nonwhites whose age was 85 and over, including sighted and blind persons.

**Not computed because color was unknown for more than 10 percent of additions whose age was under 5.

Table 3a.—Additions to MRA Registers in 1966; Number by Color/Sex and State

State	Color/sex group											
	MRA total			White			Nonwhite			Unknown		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
MRA total.....	¹ 5, 684	2, 613	3, 071	4, 373	2, 003	2, 370	1, 000	453	547	311	157	154
Connecticut.....	403	197	206	367	181	186	34	15	19	2	1	1
Kansas.....	379	156	223	340	137	203	31	16	15	8	3	5
Louisiana.....	380	215	165	226	129	97	153	86	67	1	0	1
Massachusetts.....	1, 011	456	555	870	393	477	44	18	26	97	45	52
New Hampshire.....	143	57	86	140	55	85	2	1	1	1	1	0
New Jersey.....	636	303	333	445	209	236	91	40	51	100	54	46
New Mexico ²	67	33	34	64	32	32	1	0	1	2	1	1
North Carolina.....	1, 157	484	673	694	305	389	461	178	283	2	1	1
Oregon.....	453	212	241	421	198	223	11	3	8	21	11	10
Rhode Island.....	79	43	36	76	41	35	2	1	1	1	1	0
South Dakota.....	116	67	49	92	52	40	23	14	9	1	1	0
Utah.....	149	62	87	144	59	85	5	3	2	0	0	0
Vermont.....	79	29	50	79	29	50	0	0	0	0	0	0
Virginia.....	632	299	333	415	183	232	142	78	64	75	38	37

¹ Includes 5,471 new additions and 213 readitions.

² Register inactive from June through December.

Table 3b.—Additions to MRA Registers in 1966; Rate by Color/Sex and State
 (A rate for a color or sex in a state is equal to 100,000 times the number of such persons added to the MRA register divided by the state's total population of such persons.)

State	Color/sex group								
	MRA total			White			Nonwhite		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
MRA total.....	15.3	14.3	16.3	13.4	12.4	14.3	22.4	20.8	23.9
Connecticut.....	14.0	14.0	14.1	13.3	13.4	13.3	27.0	24.2	29.2
Kansas.....	16.7	13.8	19.5	15.7	12.7	18.6	29.8	30.8	28.8
Louisiana.....	10.5	12.2	8.9	9.2	10.7	7.8	13.2	15.4	11.1
Massachusetts.....	18.7	17.5	19.9	16.5	15.4	17.5	33.3	27.7	39.4
New Hampshire.....	21.2	17.2	25.0	20.8	16.7	24.8	(—)	(—)	(—)
New Jersey.....	9.2	9.0	9.5	(**)	(**)	(**)	(**)	(**)	(**)
New Mexico.....	6.7	6.5	6.8	6.9	6.9	7.0	1.3	0	2.5
North Carolina.....	23.3	19.7	26.7	18.7	16.6	20.8	36.5	29.0	43.6
Oregon.....	23.0	21.6	24.3	21.8	20.6	22.9	26.8	(—)	(—)
Rhode Island.....	8.8	9.8	7.9	8.7	9.5	7.8	(—)	(—)	(—)
South Dakota.....	17.1	19.5	14.6	14.1	15.8	12.4	85.2	(—)	(—)
Utah.....	14.8	12.3	17.3	14.6	12.0	17.2	(—)	(—)	(—)
Vermont.....	19.2	14.4	23.9	19.3	14.4	24.0	0	0	0
Virginia.....	14.2	13.4	14.9	(**)	(**)	(**)	(**)	(**)	(**)

— Not computed because the state had less than 25,000 such people, including sighted and blind persons.

**Not computed because color was unknown for more than 10 percent of total additions to the state register.

Table 4a.—Additions to MRA Registers in 1966; Number by Age and State

State	Age group								
	Total	Under 5	5-19	20-44	45-64	65-74	75-84	85 and over	Unknown
MRA total.....	¹ 5, 684	150	506	613	1, 368	921	1, 276	654	196
Connecticut.....	403	14	55	39	89	53	93	56	4
Kansas.....	379	7	25	50	70	47	117	60	3
Louisiana.....	380	9	57	65	156	34	32	12	15
Massachusetts.....	1,011	31	80	104	198	201	250	118	29
New Hampshire.....	143	8	14	8	28	15	28	34	8
New Jersey.....	636	22	66	78	202	103	93	41	31
New Mexico ²	67	1	0	7	10	12	26	11	0
North Carolina.....	1, 157	17	77	108	296	223	295	140	1
Oregon.....	453	19	32	38	81	69	137	71	6
Rhode Island.....	79	3	12	11	18	13	16	4	2
South Dakota.....	116	1	7	12	20	19	29	19	9
Utah.....	149	3	16	16	21	22	51	20	0
Vermont.....	79	2	5	4	20	16	18	14	0
Virginia.....	632	13	60	73	159	94	91	54	88

¹ Includes 5,471 new additions and 213 readitions.

² Register inactive from June through December.

Table 4b.—Additions to MRA Registers in 1966; Rate by Age and State

(The rate for an age group is equal to 100,000 times the number of such persons added to the MRA register divided by the number of such persons in the state.)

State	Age group							
	Total	Under 5	5-19	20-44	45-64	65-74	75-84	85 and over
MRA total.....	15.3	3.5	5.0	5.1	18.6	41.8	137.6	342.4
Connecticut.....	14.0	4.4	7.6	4.1	14.7	28.6	125.7	(—)
Kansas.....	16.7	2.7	4.1	7.1	15.5	30.1	151.9	(—)
Louisiana.....	10.5	1.9	5.2	5.8	23.7	19.0	43.2	(—)
Massachusetts.....	18.7	5.4	5.9	6.1	17.0	51.3	146.2	318.9
New Hampshire.....	21.2	10.8	7.8	3.9	19.9	31.3	(—)	(—)
New Jersey.....	9.2	3.0	3.9	3.4	13.4	23.5	55.7	128.1
New Mexico.....	6.7	.7	0	2.1	6.6	32.4	(—)	(—)
North Carolina.....	23.3	3.0	5.0	6.6	33.7	97.0	317.2	(—)
Oregon.....	23.0	9.2	5.9	6.4	19.4	51.5	232.2	(—)
Rhode Island.....	8.8	3.2	5.3	3.8	9.4	21.0	61.5	(—)
South Dakota.....	17.1	1.2	3.6	6.1	15.4	40.4	(—)	(—)
Utah.....	14.8	2.1	5.0	5.1	13.0	48.9	(—)	(—)
Vermont.....	19.2	4.3	4.3	3.3	24.1	57.1	(—)	(—)
Virginia.....	14.2	(*)	(*)	(*)	(*)	(*)	(*)	(*)

— Not computed because there were less than 25,000 such people in the state, including sighted and blind persons.

*Not computed because age was unknown for more than 10 percent of total additions to the state register.

Table 5a.—Additions to MRA Registers in 1966; Number by Visual Acuity and State

State	Visual acuity group									
	Total	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 to less than 10/200	10/200 to less than 20/200	20/200	Restricted field	Unknown
MRA total.....	1 5,684	298	516	70	891	564	1,033	1,572	326	414
Connecticut.....	403	14	54	4	47	45	77	115	22	25
Kansas.....	379	17	38	4	70	27	63	124	18	18
Louisiana.....	380	29	19	17	50	23	80	98	36	28
Massachusetts.....	1,011	63	74	19	145	137	211	266	56	40
New Hampshire.....	143	5	25	0	17	10	24	28	8	26
New Jersey.....	636	35	63	7	115	59	116	151	45	45
New Mexico ²	67	1	5	2	17	1	4	30	0	7
North Carolina.....	1,157	34	100	0	217	79	180	349	70	128
Oregon.....	453	23	47	2	69	56	103	130	22	1
Rhode Island.....	79	3	8	1	15	12	20	13	3	4
South Dakota.....	116	8	6	2	6	13	8	13	2	58
Utah.....	149	8	7	0	18	7	39	55	2	13
Vermont.....	79	8	4	3	17	7	9	18	3	10
Virginia.....	632	50	66	9	88	88	99	182	39	11

¹ Includes 5,471 new additions and 213 readmissions.

² Register inactive from June through December.

Table 5b.—Additions to MRA Registers in 1966; Percent of State Total by Visual Acuity

State	Visual acuity group									
	Total ¹	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 to less than 10/200	10/200 to less than 20/200	20/200	Restricted field	Unknown
MRA total.....	100.0	5.2	9.1	1.2	15.7	9.9	18.2	27.7	5.7	7.3
Connecticut.....	100.0	3.5	13.4	1.0	11.7	11.2	19.1	28.5	5.5	6.2
Kansas.....	100.0	4.5	10.0	1.1	18.5	7.1	16.6	32.7	4.7	4.7
Louisiana.....	100.0	7.6	5.0	4.5	13.2	6.1	21.2	25.8	9.5	7.4
Massachusetts.....	100.0	6.2	7.3	1.9	14.3	13.6	20.9	26.3	5.5	4.0
New Hampshire.....	100.0	3.5	17.5	0	11.9	7.0	16.8	19.6	5.6	18.2
New Jersey.....	100.0	5.5	9.9	1.1	18.1	9.3	18.2	23.7	7.1	7.1
New Mexico.....	100.0	1.5	7.5	3.0	25.4	1.5	6.0	44.8	0	10.4
North Carolina.....	100.0	2.9	8.6	0	18.8	6.8	15.6	30.2	6.1	11.1
Oregon.....	100.0	5.1	10.4	.4	15.2	12.4	22.7	28.7	4.9	.2
Rhode Island.....	100.0	3.8	10.1	1.3	19.0	15.2	25.3	16.5	3.8	5.1
South Dakota.....	100.0	6.9	5.2	1.7	5.2	11.2	6.9	11.2	1.7	50.0
Utah.....	100.0	5.4	4.7	0	12.1	4.7	26.2	36.9	1.3	8.7
Vermont.....	100.0	10.1	5.1	3.8	21.5	8.9	11.4	22.8	3.8	12.7
Virginia.....	100.0	7.9	10.4	1.4	13.9	13.9	15.7	28.8	6.2	1.7

¹ Details may not add to total due to rounding.

Table 6a.—Additions to MRA Registers in 1966; Number by Visual Acuity and Color/Sex

Color/sex group	Visual acuity group									
	Total	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 to less than 10/200	10/200 to less than 20/200	20/200	Restricted field	Unknown
MRA total.....	¹ 5,684	298	516	70	891	564	1,033	1,572	326	414
Male.....	2,613	145	223	33	431	266	466	674	188	187
Female.....	3,071	153	293	37	460	298	567	898	138	227
White.....	4,373	215	379	51	677	462	823	1,233	239	294
Male.....	2,003	109	166	25	323	215	372	530	136	127
Female.....	2,370	106	213	26	354	247	451	703	103	167
Nonwhite.....	1,000	69	94	18	176	64	148	264	77	90
Male.....	453	27	34	8	91	30	65	108	49	41
Female.....	547	42	60	10	85	34	83	156	28	49
Unknown color.....	311	14	43	1	38	38	62	75	10	30
Male.....	157	9	23	0	17	21	29	36	3	19
Female.....	154	5	20	1	21	17	33	39	7	11

¹ Includes 5,471 new additions and 213 readmissions.

Table 6b.—Additions to MRA Registers in 1966; Percent of Color/Sex Total by Visual Acuity

Color/sex group	Visual acuity group									
	Total ¹	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 to less than 10/200	10/200 to less than 20/200	20/200	Restricted field	Unknown
MRA total.....	100.0	5.2	9.1	1.2	15.7	9.9	18.2	27.7	5.7	7.3
Male.....	100.0	5.5	8.5	1.3	16.5	10.2	17.8	25.8	7.2	7.2
Female.....	100.0	5.0	9.5	1.2	15.0	9.7	18.5	29.2	4.5	7.4
White.....	100.0	4.9	8.7	1.2	15.5	10.6	18.8	28.2	5.5	6.7
Male.....	100.0	5.4	8.3	1.2	16.1	10.7	18.6	26.5	6.8	6.3
Female.....	100.0	4.5	9.0	1.1	14.9	10.4	19.0	29.7	4.3	7.0
Nonwhite.....	100.0	6.9	9.4	1.8	17.6	6.4	14.8	26.4	7.7	9.0
Male.....	100.0	6.0	7.5	1.8	20.1	6.6	14.3	23.8	10.8	9.1
Female.....	100.0	7.7	11.0	1.8	15.5	6.2	15.2	28.5	5.1	9.0
Unknown color.....	100.0	4.5	13.8	.3	12.2	12.2	19.9	24.1	3.2	9.6
Male.....	100.0	5.7	14.6	0	10.8	13.4	18.5	22.9	1.9	12.1
Female.....	100.0	3.2	13.0	.6	13.6	11.0	21.4	25.3	4.5	7.1

¹ Details may not add to total due to rounding.

Table 7a.—Additions to MRA Registers in 1966; Number by Visual Acuity and Age

Age group	Visual acuity group									
	Total	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 to less than 10/200	10/200 to less than 20/200	20/200	Restricted field	Unknown
MRA total.....	1 5,684	298	516	70	891	564	1,033	1,572	326	414
Under 5.....	150	31	32	3	7	3	5	6	0	63
5 to 19.....	506	27	37	2	31	41	95	205	12	56
20 to 44.....	613	43	51	6	86	44	109	174	61	39
45 to 64.....	1,368	73	118	16	231	143	264	340	127	56
65 to 74.....	921	48	99	16	190	86	160	235	48	39
75 to 84.....	1,276	37	104	18	206	145	237	389	53	87
85 and over.....	654	22	60	8	116	78	121	177	16	56
Unknown.....	196	17	15	1	24	24	42	46	9	18

¹ Includes 5,471 new additions and 213 readmissions.

Table 7b.—Additions to MRA Registers in 1966; Percent of Age Total by Visual Acuity

Age group	Visual acuity group									
	Total ¹	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 to less than 10/200	10/200 to less than 20/200	20/200	Restricted field	Unknown
MRA total.....	100.0	5.2	9.1	1.2	15.7	9.9	18.2	27.7	5.7	7.3
Under 5.....	100.0	20.7	21.3	2.0	4.7	2.0	3.3	4.0	0	42.0
5 to 19.....	100.0	5.3	7.3	.4	6.1	8.1	18.8	40.5	2.4	11.1
20 to 44.....	100.0	7.0	8.3	1.0	14.0	7.2	17.8	28.4	10.0	6.4
45 to 64.....	100.0	5.3	8.6	1.2	16.9	10.5	19.3	24.9	9.3	4.1
65 to 74.....	100.0	5.2	10.7	1.7	20.6	9.3	17.4	25.5	5.2	4.2
75 to 84.....	100.0	2.9	8.2	1.4	16.1	11.4	18.6	30.5	4.2	6.8
85 and over.....	100.0	3.4	9.2	1.2	17.7	11.9	18.5	27.1	2.4	8.6
Unknown.....	100.0	8.7	7.7	.5	12.2	12.2	21.4	23.5	4.6	9.2

¹ Details may not add to total due to rounding.

Table 8a.—Additions to MRA Registers in 1966; Number by Age When Blinded and State

State	Age when blinded group									
	Total	At birth	Under 5	5-19	20-44	45-64	65-74	75-84	85 and over	Unknown
MRA total..... ¹	5, 471	569	82	160	412	1, 018	711	715	223	1, 581
Connecticut.....	388	52	7	23	36	92	55	70	29	24
Kansas.....	369	29	7	12	39	63	74	85	30	30
Louisiana.....	366	86	13	4	52	116	27	24	5	39
Massachusetts.....	996	77	9	13	25	50	52	54	15	701
New Hampshire.....	142	10	3	5	3	13	5	7	2	94
New Jersey.....	598	56	10	18	64	143	69	40	15	183
New Mexico ²	66	2	0	2	3	8	12	16	4	19
North Carolina.....	1, 062	89	4	32	82	305	228	236	79	7
Oregon.....	442	31	11	9	29	48	44	71	21	178
Rhode Island.....	77	13	3	2	13	14	12	9	0	11
South Dakota.....	115	12	0	7	8	15	14	9	3	47
Utah.....	149	14	6	9	12	20	35	33	10	10
Vermont.....	71	5	2	3	2	20	14	13	2	10
Virginia.....	630	93	7	21	44	111	70	48	8	228

¹ Includes only new additions.

² Register inactive from June through December.

Table 8b.—Additions to MRA Registers in 1966; Percent of State Total by Age When Blinded

State	Age when blinded group									
	Total ¹	At birth	Under 5	5-19	20-44	45-64	65-74	75-84	85 and over	Unknown
MRA total.....	100.0	10.4	1.5	2.9	7.5	18.6	13.0	13.1	4.1	28.9
Connecticut.....	100.0	13.4	1.8	5.9	9.3	23.7	14.2	18.0	7.5	6.2
Kansas.....	100.0	7.9	1.9	3.3	10.6	17.1	20.1	23.0	8.1	8.1
Louisiana.....	100.0	23.5	3.6	1.1	14.2	31.7	7.4	6.6	1.4	10.7
Massachusetts.....	100.0	7.7	.9	1.3	2.5	5.0	5.2	5.4	1.5	70.4
New Hampshire.....	100.0	7.0	2.1	3.5	2.1	9.2	3.5	4.9	1.4	66.2
New Jersey.....	100.0	9.4	1.7	3.0	10.7	23.9	11.5	6.7	2.5	30.6
New Mexico.....	100.0	3.0	0	3.0	4.5	12.1	18.2	24.2	6.1	28.8
North Carolina.....	100.0	8.4	.4	3.0	7.7	28.7	21.5	22.2	7.4	.7
Oregon.....	100.0	7.0	2.5	2.0	6.6	10.9	10.0	16.1	4.8	40.3
Rhode Island.....	100.0	16.9	3.9	2.6	16.9	18.2	15.6	11.7	0	14.3
South Dakota.....	100.0	10.4	0	6.1	7.0	13.0	12.2	7.8	2.6	40.9
Utah.....	100.0	9.4	4.0	6.0	8.1	13.4	23.5	22.1	6.7	6.7
Vermont.....	100.0	7.0	2.8	4.2	2.8	28.2	19.7	18.3	2.8	14.1
Virginia.....	100.0	14.8	1.1	3.3	7.0	17.6	11.1	7.6	1.3	36.2

¹ Details may not add to total due to rounding.

Table 9a.—Additions to MRA Registers in 1966; Number by Eye Examiner Discipline and State

State	Eye examiner discipline group					
	Total	Ophthalmologist or EENT M.D.	Other M.D.	Optometrist	Other	Unknown
MRA total.....	¹ 5, 471	4, 965	123	260	44	79
Connecticut.....	388	336	16	13	21	2
Kansas.....	369	360	3	5	1	0
Louisiana.....	366	343	2	19	0	2
Massachusetts.....	996	876	11	85	0	24
New Hampshire.....	142	99	30	11	1	1
New Jersey.....	598	582	4	3	6	3
New Mexico ²	66	57	0	6	0	3
North Carolina.....	1, 062	995	32	34	0	1
Oregon.....	442	409	15	14	0	4
Rhode Island.....	77	68	0	4	4	1
South Dakota.....	115	59	4	18	0	34
Utah.....	149	141	0	4	3	1
Vermont.....	71	58	0	5	8	0
Virginia.....	630	582	6	39	0	3

¹ Includes only new additions.

² Register inactive from June through December.

Table 9b.—Additions to MRA Registers in 1966; Percent of State Total by Eye Examiner Discipline

State	Eye examiner discipline group					Unknown
	Total ¹	Ophthalmologist or EENT M.D.	Other M.D.	Optometrist	Other	
MRA total.....	100. 0	90. 8	2. 2	4. 8	0. 8	1. 4
Connecticut.....	100. 0	86. 6	4. 1	3. 4	5. 4	. 5
Kansas.....	100. 0	97. 6	. 8	1. 4	. 3	0
Louisiana.....	100. 0	93. 7	. 5	5. 2	0	. 5
Massachusetts.....	100. 0	88. 0	1. 1	8. 5	0	2. 4
New Hampshire.....	100. 0	69. 7	21. 1	7. 7	. 7	. 7
New Jersey.....	100. 0	97. 3	. 7	. 5	1. 0	. 5
New Mexico.....	100. 0	86. 4	0	9. 1	0	4. 5
North Carolina.....	100. 0	93. 7	3. 0	3. 2	0	. 1
Oregon.....	100. 0	92. 5	3. 4	3. 2	0	. 9
Rhode Island.....	100. 0	88. 3	0	5. 2	5. 2	1. 3
South Dakota.....	100. 0	51. 3	3. 5	15. 7	0	29. 6
Utah.....	100. 0	94. 6	0	2. 7	2. 0	. 7
Vermont.....	100. 0	81. 7	0	7. 0	11. 3	0
Virginia.....	100. 0	92. 4	1. 0	6. 2	0	. 5

¹ Details may not add to total due to rounding.

Table 10a.—Additions to MRA Registers in 1966; Number by Eye Examiner Discipline and Visual Acuity

Visual acuity group	Eye examiner discipline group					
	Total	Ophthalmologist or EENT M.D.	Other M.D.	Optometrist	Other	Unknown
MRA total.....	15,471	4,965	123	260	44	79
Absolute blindness.....	281	236	13	23	2	7
Light perception.....	491	439	15	24	6	7
Light projection.....	67	60	0	6	0	1
Less than 5/200.....	856	820	11	19	4	2
5/200 to less than 10/200.....	548	505	3	33	3	4
10/200 to less than 20/200.....	995	928	11	49	0	7
20/200.....	1,513	1,400	27	72	8	6
Restricted field.....	317	306	4	3	2	2
Unknown.....	403	271	39	31	19	43

¹ Includes only new additions.

Table 10b.—Additions to MRA Registers in 1966; Percent of Eye Examiner Discipline Total by Visual Acuity

Visual acuity group	Eye examiner discipline group					
	Total	Ophthalmologist or EENT M.D.	Other M.D.	Optometrist	Other	Unknown
MRA total ¹	100.0	100.0	100.0	100.0	100.0	100.0
Absolute blindness.....	5.1	4.8	10.6	8.8	4.5	8.9
Light perception.....	9.0	8.8	12.2	9.2	13.6	8.9
Light projection.....	1.2	1.2	0	2.3	0	1.3
Less than 5/200.....	15.6	16.5	8.9	7.3	9.1	2.5
5/200 to less than 10/200.....	10.0	10.2	2.4	12.7	6.8	5.1
10/200 to less than 20/200.....	18.2	18.7	8.9	18.8	0	8.9
20/200.....	27.7	28.2	22.0	27.7	18.2	7.6
Restricted field.....	5.8	6.2	3.3	1.2	4.5	2.5
Unknown.....	7.4	5.5	31.7	11.9	43.2	54.4

¹ Details may not add to total due to rounding.

Table 11a.—Additions to MRA Registers in 1966; Number by Affection and State

State	Affection group													
	Total	Glaucoma, not congenital	Myopia	Keratitis	Other affections of cornea or sclera	Cataract	Uveitis	Retrolental fibroplasia	Retinal degenera- tion	Other retinal affections	Optic nerve atrophy	Multiple affections	Other	Unknown
MRA total.....	14,965	543	110	53	83	938	160	50	936	727	259	459	410	237
Connecticut.....	336	27	11	4	4	34	11	5	67	81	18	25	40	9
Kansas.....	360	28	3	8	5	117	12	1	57	37	20	43	21	8
Louisiana.....	343	52	10	2	5	54	18	5	47	43	15	24	47	21
Massachusetts.....	876	96	19	10	14	81	21	10	220	171	59	76	65	34
New Hampshire.....	99	10	3	2	1	18	2	0	14	14	7	8	14	6
New Jersey.....	582	73	20	7	14	65	22	5	86	113	34	57	43	43
New Mexico.....	57	3	1	1	1	32	2	0	4	2	0	3	3	5
North Carolina.....	995	137	20	9	16	335	27	3	129	93	38	82	57	49
Oregon.....	409	32	5	2	6	77	10	6	126	45	14	53	24	9
Rhode Island.....	68	5	2	0	1	3	0	2	9	22	7	3	9	5
South Dakota.....	59	6	3	1	3	10	1	1	9	6	4	3	4	8
Utah.....	141	7	3	2	2	11	4	3	56	14	5	17	12	5
Vermont.....	58	6	1	0	1	13	3	2	5	9	4	9	3	2
Virginia.....	582	61	9	5	10	88	27	7	107	77	34	56	68	33

¹ Includes only new additions whose eyes were examined by ophthalmologists or eye-ear-nose-and-throat specialists. Does not include 123 additions examined by other M.D.'s, 383 additions examined by non-medical and unknown disciplines, and 213 readmissions.

Table 11b.—Additions to MRA Registers in 1966; Percent of State Total by Affection

State	Affection group													
	Total ¹	Glaucoma, not congenital	Myopia	Keratitis	Other affections of cornea or sclera	Cataract	Uveitis	Retrolental fibroplasia	Retinal degenera- tion	Other retinal affections	Optic nerve atrophy	Multiple affections	Other	Unknown
MRA total	100.0	10.9	2.2	1.1	1.7	18.9	3.2	1.0	18.9	14.6	5.2	9.2	8.3	4.8
Connecticut	100.0	8.0	3.3	1.2	1.2	10.1	3.3	1.5	19.9	24.1	5.4	7.4	11.9	2.7
Kansas	100.0	7.8	.8	2.2	1.4	32.5	3.3	.3	15.8	10.3	5.6	11.9	5.8	2.2
Louisiana	100.0	15.2	2.9	.6	1.5	15.7	5.2	1.5	13.7	12.5	4.4	7.0	13.7	6.1
Massachusetts	100.0	11.0	2.2	1.1	1.6	9.2	2.4	1.1	25.1	19.5	6.7	8.7	7.4	3.9
New Hampshire	100.0	10.1	3.0	2.0	1.0	18.2	2.0	0	14.1	14.1	7.1	8.1	14.1	6.1
New Jersey	100.0	12.5	3.4	1.2	2.4	11.2	3.8	.9	14.8	19.4	5.8	9.8	7.4	7.4
New Mexico	100.0	5.3	1.8	1.8	1.8	56.1	3.5	0	7.0	3.5	0	5.3	5.3	8.8
North Carolina	100.0	13.8	2.0	.9	1.6	33.7	2.7	.3	13.0	9.3	3.8	8.2	5.7	4.9
Oregon	100.0	7.8	1.2	.5	1.5	18.8	2.4	1.5	30.8	11.0	3.4	13.0	5.9	2.2
Rhode Island	100.0	7.4	2.9	0	1.5	4.4	0	2.9	13.2	32.4	10.3	4.4	13.2	7.4
South Dakota	100.0	10.2	5.1	1.7	5.1	16.9	1.7	1.7	15.3	10.2	6.8	5.1	6.8	13.6
Utah	100.0	5.0	2.1	1.4	1.4	7.8	2.8	2.1	39.7	9.9	3.5	12.1	8.5	3.5
Vermont	100.0	10.3	1.7	0	1.7	22.4	5.2	3.4	8.6	15.5	6.9	15.5	5.2	3.4
Virginia	100.0	10.5	1.5	.9	1.7	15.1	4.6	1.2	18.4	13.2	5.8	9.6	11.7	5.7

¹ Details may not add to total due to rounding.

Table 12a.—Additions to MRA Registers in 1966; Number by Affection and Color/Sex

Color/sex group	Affection group													
	Total	Glaucoma, not congenital	Myopia	Keratitis	Other affections of cornea or sclera	Cataract	Uveitis	Retrolental fibroplasia	Retinal degenera- tion	Other retinal affections	Optic nerve atrophy	Multiple affections	Other	Unknown
MRA total.....	¹ 4, 965	543	110	53	83	938	160	50	936	727	259	459	410	237
Male.....	2, 298	275	47	27	40	400	84	24	414	325	159	155	227	121
Female.....	2, 667	268	63	26	43	538	76	26	522	402	100	304	183	116
White.....	3, 808	328	79	38	51	726	118	42	816	585	195	355	303	172
Male.....	1, 761	160	34	18	25	310	65	21	350	276	122	124	168	88
Female.....	2, 047	168	45	20	26	416	53	21	466	309	73	231	135	84
Nonwhite.....	884	187	24	12	26	173	32	2	63	112	44	78	86	45
Male.....	397	101	10	7	13	69	12	1	38	35	27	19	43	22
Female.....	487	86	14	5	13	104	20	1	25	77	17	59	43	23
Unknown color.....	273	28	7	3	6	39	10	6	57	30	20	26	21	20
Male.....	140	14	3	2	2	21	7	2	26	14	10	12	16	11
Female.....	133	14	4	1	4	18	3	4	31	16	10	14	5	9

¹ Includes only new additions whose eyes were examined by ophthalmologists or eye-ear-nose-and-throat specialists. Does not include 123 additions examined by other M.D.'s, 383 additions examined by non-medical and unknown disciplines, and 213 readditions.

Table 12b.—Additions to MRA Registers in 1966; Percent of Color/Sex Total by Affection

Color/sex group	Affection group													
	Total ¹	Glaucoma, not congenital	Myopia	Keratitis	Other affections of cornea or sclera	Cataract	Uveitis	Retrolental fibroplasia	Retinal degenera- tion	Other retinal affections	Optic nerve atrophy	Multiple affections	Other	Unknown
MRA total.....	100.0	10.9	2.2	1.1	1.7	18.9	3.2	1.0	18.9	14.6	5.2	9.2	8.3	4.8
Male.....	100.0	12.0	2.0	1.2	1.7	17.4	3.7	1.0	18.0	14.1	6.9	6.7	9.9	5.3
Female.....	100.0	10.0	2.4	1.0	1.6	20.2	2.8	1.0	19.6	15.1	3.7	11.4	6.9	4.3
White.....	100.0	8.6	2.1	1.0	1.3	19.1	3.1	1.1	21.4	15.4	5.1	9.3	8.0	4.5
Male.....	100.0	9.1	1.9	1.0	1.4	17.6	3.7	1.2	19.9	15.7	6.9	7.0	9.5	5.0
Female.....	100.0	8.2	2.2	1.0	1.3	20.3	2.6	1.0	22.8	15.1	3.6	11.3	6.6	4.1
Nonwhite.....	100.0	21.2	2.7	1.4	2.9	19.6	3.6	.2	7.1	12.7	5.0	8.8	9.7	5.1
Male.....	100.0	25.4	2.5	1.8	3.3	17.4	3.0	.3	9.6	8.8	6.8	4.8	10.8	5.5
Female.....	100.0	17.7	2.9	1.0	2.7	21.4	4.1	.2	5.1	15.8	3.5	12.1	8.8	4.7
Unknown color.....	100.0	10.3	2.6	1.1	2.2	14.3	3.7	2.2	20.9	11.0	7.3	9.5	7.7	7.3
Male.....	100.0	10.0	2.1	1.4	1.4	15.0	5.0	1.4	18.6	10.0	7.1	8.6	11.4	7.9
Female.....	100.0	10.5	3.0	.8	3.0	13.5	2.3	3.0	23.3	12.0	7.5	10.5	3.8	6.8

¹ Details may not add to total due to rounding.

Table 13a.—Additions to MRA Registers in 1966; Number by Affection and Age

Age group	Affection group													
	Total	Glaucoma, not congenital	Myopia	Keratitis	Other affections of cornea or sclera	Cataract	Uveitis	Retrolental fibroplasia	Retinal degenera- tion	Other retinal affections	Optic nerve atrophy	Multiple affections	Other	Unknown
MRA total.....	14,965	543	110	53	83	938	160	50	936	727	259	459	410	237
Under 5.....	138	0	3	1	2	33	5	11	2	13	12	0	46	10
5 to 19.....	433	1	30	4	3	64	31	28	37	17	56	0	143	19
20 to 44.....	522	18	21	12	24	35	29	5	92	106	56	8	93	23
45 to 64.....	1,241	153	35	23	21	230	57	2	123	298	79	74	77	69
65 to 74.....	821	143	8	6	13	165	17	0	148	145	22	101	16	37
75 to 84.....	1,124	163	6	5	14	273	15	0	318	105	21	148	16	40
85 and over.....	518	43	4	1	3	119	4	0	176	22	5	114	8	19
Unknown.....	168	22	3	1	3	19	2	4	40	21	8	14	11	20

¹ Includes only new additions whose eyes were examined by ophthalmologists or eye-ear-nose-and-throat specialists. Does not include 123 additions examined by other M.D.'s, 383 additions examined by non-medical and unknown disciplines, and 213 readmissions.

Table 13b.—Additions to MRA Registers in 1966; Percent of Age Total by Affection

Age group	Affection group													
	Total ¹	Glaucoma, not congenital	Myopia	Keratitis	Other affections of cornea or sclera	Cataract	Uveitis	Retrolental fibroplasia	Retinal degenera- tion	Other retinal affections	Optic nerve atrophy	Multiple affections	Other	Unknown
MRA total.....	100.0	10.9	2.2	1.1	1.7	18.9	3.2	1.0	18.9	14.6	5.2	9.2	8.3	4.8
Under 5.....	100.0	0	2.2	.7	1.4	23.9	3.6	8.0	1.4	9.4	8.7	0	33.3	7.2
5 to 19.....	100.0	.2	6.9	.9	.7	14.8	7.2	6.5	8.5	3.9	12.9	0	33.0	4.4
20 to 44.....	110.0	3.4	4.0	2.3	4.6	6.7	5.6	1.0	17.6	20.3	10.7	1.5	17.8	4.4
45 to 64.....	100.0	12.3	2.8	1.9	1.7	18.5	4.6	.2	9.9	24.0	6.4	6.0	6.2	5.6
65 to 74.....	100.0	17.4	1.0	.7	1.6	20.1	2.1	0	18.0	17.7	2.7	12.3	1.9	4.5
75 to 84.....	100.0	14.5	.5	.4	1.2	24.3	1.3	0	28.3	9.3	1.9	13.2	1.4	3.6
85 and over.....	100.0	8.3	.8	.2	.6	23.0	.8	0	34.0	4.2	1.0	22.0	1.5	3.7
Unknown.....	100.0	13.1	1.8	.6	1.8	11.3	1.2	2.4	23.8	12.5	4.8	8.3	6.5	11.9

¹ Details may not add to total due to rounding.

Table 14a.—Additions to MRA Registers in 1966; Number by Affection and Visual Acuity

Visual acuity group	Affection group													
	Total	Glaucoma, not congenital	Myopia	Keratitis	Other affections of cornea or sclera	Cataract	Uveitis	Retrolental fibroplasia	Retinal degenera- tion	Other retinal affections	Optic nerve atrophy	Multiple affections	Other	Unknown
MRA total.....	14,965	543	110	53	83	938	160	50	936	727	259	459	410	237
Absolute blindness.....	236	40	0	4	2	13	6	13	10	33	32	14	45	24
Light perception.....	439	51	0	5	9	103	13	13	26	91	34	38	40	16
Light projection.....	60	9	1	1	0	20	1	0	6	13	1	5	2	1
Less than 5/200.....	820	95	17	7	19	180	23	1	136	154	34	79	41	34
5/200 to less than 10/200.....	505	31	12	6	9	86	13	3	123	82	35	61	23	21
10/200 to less than 20/200.....	928	49	26	10	12	175	35	4	237	136	41	100	69	34
20/200.....	1,400	86	46	18	23	299	51	12	306	190	36	141	137	55
Restricted field.....	306	149	0	1	3	10	3	0	61	14	28	9	13	15
Unknown.....	271	33	8	1	6	52	15	4	31	14	18	12	40	37

¹Includes only new additions whose eyes were examined by ophthalmologists or eye-ear-nose-and-throat specialists. Does not include 123 additions examined by other M.D.'s, 383 additions examined by non-medical and unknown disciplines, and 213 readditions.

Table 14b.—Additions to MRA Registers in 1966; Percent of Affection Total by Visual Acuity

Visual acuity group	Affection group													
	Total ¹	Glaucoma, not congenital	Myopia	Keratitis	Other affections of cornea or sclera	Cataract	Uveitis	Retrolental fibroplasia	Retinal degenera- tion	Other retinal affections	Optic nerve atrophy	Multiple affections	Other	Unknown
MRA total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Absolute blindness.....	4.8	7.4	0	7.5	2.4	1.4	3.7	26.0	1.1	4.5	12.4	3.1	11.0	10.1
Light perception.....	8.8	9.4	0	9.4	10.8	11.0	8.1	26.0	2.8	12.5	13.1	8.3	9.8	6.8
Light projection.....	1.2	1.7	.9	1.9	0	2.1	.6	0	.6	1.8	.4	1.1	.5	.4
Less than 5/200.....	16.5	17.5	15.5	13.2	22.9	19.2	14.4	2.0	14.5	21.2	13.1	17.2	10.0	14.3
5/200 to less than 10/200.....	10.2	5.7	10.9	11.3	10.8	9.2	8.1	6.0	13.1	11.3	13.5	13.3	5.6	8.9
10/200 to less than 20/200.....	18.7	9.0	23.6	18.9	14.5	18.7	21.9	8.0	25.3	18.7	15.8	21.8	16.8	14.3
20/200.....	28.2	15.8	41.8	34.0	27.7	31.9	31.9	24.0	32.7	26.1	13.9	30.7	33.4	23.2
Restricted field.....	6.2	27.4	0	1.9	3.6	1.1	1.9	0	6.5	1.9	10.8	2.0	3.2	6.3
Unknown.....	5.5	6.1	7.3	1.9	7.2	5.5	9.4	8.0	3.3	1.9	6.9	2.6	9.8	15.6

¹Details may not add to total due to rounding.

Table 15a.—Additions to MRA Registers in 1966; Number by Etiology and State

State	Etiology group											
	Total	Infectious diseases	Injuries, poisonings	Neoplasms	Diabetes	Senile degeneration	Vascular diseases	Other general diseases	Prenatal influence	Multiple etiologies	Unknown to science	Not reported or determined
MRA total..... ¹	4,965	122	140	57	577	1,640	148	70	680	245	586	700
Connecticut.....	336	11	15	6	66	79	15	6	52	14	28	44
Kansas.....	360	12	11	2	26	170	8	6	43	21	29	32
Louisiana.....	343	5	17	4	29	62	13	5	83	14	52	59
Massachusetts.....	876	20	19	10	154	257	30	13	121	48	103	101
New Hampshire.....	99	3	2	2	11	24	4	1	20	5	10	17
New Jersey.....	582	17	11	8	97	106	18	11	81	29	80	124
New Mexico.....	57	1	0	1	1	39	1	0	2	0	4	8
North Carolina.....	995	16	20	9	75	440	16	6	101	42	146	124
Oregon.....	409	15	11	4	30	179	10	8	40	28	38	46
Rhode Island.....	68	0	2	3	15	13	4	2	13	2	5	9
South Dakota.....	59	1	1	1	4	18	2	2	9	1	7	13
Utah.....	141	4	7	2	9	64	4	1	17	6	7	20
Vermont.....	58	1	3	0	9	18	0	0	6	7	6	8
Virginia.....	582	16	21	5	51	171	23	9	92	28	71	95

¹ Includes only new additions whose eyes were examined by ophthalmologists or eye-ear-nose-and-throat specialists. Does not include 123 additions examined by other M.D.'s, 383 additions examined by non-medical and unknown disciplines, and 213 readditions.

Table 15b.—Additions to MRA Registers in 1966; Percent of State Total by Etiology

State	Etiology group											
	Total ¹	Infectious diseases	Injuries, poisonings	Neoplasms	Diabetes	Senile degeneration	Vascular diseases	Other general diseases	Prenatal influence	Multiple etiologies	Unknown to science	Not reported or determined
MRA total.....	100.0	2.5	2.8	1.1	11.6	33.0	3.0	1.4	13.7	4.9	11.8	14.1
Connecticut.....	100.0	3.3	4.5	1.8	19.6	23.5	4.5	1.8	15.5	4.2	8.3	13.1
Kansas.....	100.0	3.3	3.1	.6	7.2	47.2	2.2	1.7	11.9	5.8	8.1	8.9
Louisiana.....	100.0	1.5	5.0	1.2	8.5	18.1	3.8	1.5	24.2	4.1	15.2	17.2
Massachusetts.....	100.0	2.3	2.2	1.1	17.6	29.3	3.4	1.5	13.8	5.5	11.8	11.5
New Hampshire.....	100.0	3.0	2.0	2.0	11.1	24.2	4.0	1.0	20.2	5.1	10.1	17.2
New Jersey.....	100.0	2.9	1.9	1.4	16.7	18.2	3.1	1.9	13.9	5.0	13.7	21.3
New Mexico.....	100.0	1.8	0	1.8	1.8	68.4	1.8	0	3.5	0	7.0	14.0
North Carolina.....	100.0	1.6	2.0	.9	7.5	44.2	1.6	.6	10.2	4.2	14.7	12.5
Oregon.....	100.0	3.7	2.7	1.0	7.3	43.8	2.4	2.0	9.8	6.8	9.3	11.2
Rhode Island.....	100.0	0	2.9	4.4	22.1	19.1	5.9	2.9	19.1	2.9	7.4	13.2
South Dakota.....	100.0	1.7	1.7	1.7	6.8	30.5	3.4	3.4	15.3	1.7	11.9	22.0
Utah.....	100.0	2.8	5.0	1.4	6.4	45.4	2.8	.7	12.1	4.3	5.0	14.2
Vermont.....	100.0	1.7	5.2	0	15.5	31.0	0	0	10.3	12.1	10.3	13.8
Virginia.....	100.0	2.7	3.6	.9	8.8	29.4	4.0	1.5	15.8	4.8	12.2	16.3

¹ Details may not add to total due to rounding.

Table 16a.—Additions to MRA Registers in 1966; Number by Etiology and Color/Sex

Color/sex group	Etiology group											
	Total	Infectious diseases	Injuries, poisonings	Neoplasms	Diabetes	Senile degeneration	Vascular diseases	Other general diseases	Prenatal influence	Multiple etiologies	Unknown to science	Not reported or determined
MRA total.....	1 4, 965	122	140	57	577	1, 640	148	70	680	245	586	700
Male.....	2, 298	64	99	34	221	662	82	39	367	90	290	350
Female.....	2, 667	58	41	23	356	978	66	31	313	155	296	350
White.....	3, 808	87	90	48	448	1, 369	117	51	516	189	359	534
Male.....	1, 761	45	66	27	181	552	67	31	277	72	172	271
Female.....	2, 047	42	24	21	267	817	50	20	239	117	187	263
Nonwhite.....	884	21	42	4	104	199	22	13	117	43	195	124
Male.....	397	11	30	3	28	78	8	6	61	12	103	57
Female.....	487	10	12	1	76	121	14	7	56	31	92	67
Unknown color.....	273	14	8	5	25	72	9	6	47	13	32	42
Male.....	140	8	3	4	12	32	7	2	29	6	15	22
Female.....	133	6	5	1	13	40	2	4	18	7	17	20

¹ Includes only new additions whose eyes were examined by ophthalmologists or eye-ear-nose-and-throat specialists. Does not include 123 additions examined by other M.D.'s, 383 additions examined by non-medical and unknown disciplines, and 213 readmissions.

Table 16b.—Additions to MRA Registers in 1966; Percent of Color/Sex Total by Etiology

Color/sex group	Etiology group											
	Total ¹	Infectious diseases	Injuries, poisonings	Neoplasms	Diabetes	Senile degeneration	Vascular diseases	Other general diseases	Prenatal influence	Multiple etiologies	Unknown to science	Not reported or determined
MRA total.....	100.0	2.5	2.8	1.1	11.6	33.0	3.0	1.4	13.7	4.9	11.8	14.1
Male.....	100.0	2.8	4.3	1.5	9.6	28.8	3.6	1.7	16.0	3.9	12.6	15.2
Female.....	100.0	2.2	1.5	.9	13.3	36.7	2.5	1.2	11.7	5.8	11.1	13.1
White.....	100.0	2.3	2.4	1.3	11.8	36.0	3.1	1.3	13.6	5.0	9.4	14.0
Male.....	100.0	2.6	3.7	1.5	10.3	31.3	3.8	1.8	15.7	4.1	9.8	15.4
Female.....	100.0	2.1	1.2	1.0	13.0	39.9	2.4	1.0	11.7	5.7	9.1	12.8
Nonwhite.....	100.0	2.4	4.8	.5	11.8	22.5	2.5	1.5	13.2	4.9	22.1	14.0
Male.....	100.0	2.8	7.6	.8	7.1	19.6	2.0	1.5	15.4	3.0	25.9	14.4
Female.....	100.0	2.1	2.5	.2	15.6	24.8	2.9	1.4	11.5	6.4	18.9	13.8
Unknown color.....	100.0	5.1	2.9	1.8	9.2	26.4	3.3	2.2	17.2	4.8	11.7	15.4
Male.....	100.0	5.7	2.1	2.9	8.6	22.9	5.0	1.4	20.7	4.3	10.7	15.7
Female.....	100.0	4.5	3.8	.8	9.8	30.1	1.5	3.0	13.5	5.3	12.8	15.0

¹ Details may not add to total due to rounding.

Table 17a.—Additions to MRA Registers in 1966; Number by Etiology and Age

Age group	Etiology group											
	Total	Infectious diseases	Injuries, poisonings	Neoplasms	Diabetes	Senile degeneration	Vascular diseases	Other general diseases	Prenatal influence	Multiple etiologies	Unknown to science	Not reported or determined
MRA total,	14,965	122	140	57	577	1,640	148	70	680	245	586	700
Under 5,	138	32	11	10	0	0	1	1	66	0	0	17
5 to 19,	433	24	24	18	0	1	1	10	279	0	6	70
20 to 44,	522	17	58	7	93	7	2	28	176	6	37	91
45 to 64,	1,241	29	34	16	260	264	45	21	109	42	163	258
65 to 74,	821	13	7	2	140	315	29	2	20	52	145	96
75 to 84,	1,124	6	0	3	56	635	53	3	11	91	168	98
85 and over,	518	0	1	1	12	363	12	1	4	46	43	35
Unknown,	168	1	5	0	16	55	5	4	15	8	24	35

¹ Includes only new additions whose eyes were examined by ophthalmologists or eye-ear-nose-and-throat specialists. Does not include 123 additions examined by other M.D.'s, 383 additions examined by non-medical and unknown disciplines, and 213 readmissions.

Table 17b.—Additions to MRA Registers in 1966; Percent of Age Total by Etiology

Age group	Etiology group											
	Total ¹	Infectious diseases	Injuries, poisonings	Neoplasms	Diabetes	Senile degeneration	Vascular diseases	Other general diseases	Prenatal influence	Multiple etiologies	Unknown to science	Not reported or determined
MRA total.....	100.0	2.5	2.8	1.1	11.6	33.0	3.0	1.4	13.7	4.9	11.8	14.1
Under 5.....	100.0	23.2	8.0	7.2	0	0	.7	.7	47.8	0	0	12.3
5 to 19.....	100.0	5.5	5.5	4.2	0	.2	.2	2.3	64.4	0	1.4	16.2
20 to 44.....	100.0	3.3	11.1	1.3	17.8	1.3	.4	5.4	33.7	1.1	7.1	17.4
45 to 64.....	100.0	2.3	2.7	1.3	21.0	21.3	3.6	1.7	8.8	3.4	13.1	20.8
65 to 74.....	100.0	1.6	.9	.2	17.1	38.4	3.5	.2	2.4	6.3	17.7	11.7
75 to 84.....	100.0	.5	0	.3	5.0	56.5	4.7	.3	1.0	8.1	14.9	8.7
85 and over.....	100.0	0	.2	.2	2.3	70.1	2.3	.2	.8	8.9	8.3	6.8
Unknown.....	100.0	.6	3.0	0	9.5	32.7	3.0	2.4	8.9	4.8	14.3	20.8

¹Details may not add to total due to rounding.

Table 18a.—Additions to MRA Registers in 1966; Number by Etiology and Visual Acuity

Visual acuity group	Etiology group											
	Total	Infectious diseases	Injuries, poisonings	Neoplasms	Diabetes	Senile degeneration	Vascular diseases	Other general diseases	Prenatal influence	Multiple etiologies	Unknown to science	Not reported or determined
MRA total.....	14,965	122	140	57	577	1,640	148	70	680	245	586	700
Absolute blindness.....	236	8	34	16	19	15	6	7	28	12	40	51
Light perception.....	439	19	28	9	73	97	22	8	39	23	52	69
Light projection.....	60	1	1	0	7	24	3	0	4	3	9	8
Less than 5/200.....	820	18	18	5	129	288	30	10	66	46	102	108
5/200 to less than 10/200.....	505	6	9	8	72	201	16	8	52	30	35	68
10/200 to less than 20/200.....	928	21	16	4	119	373	32	16	129	49	58	111
20/200.....	1,400	25	23	7	139	577	25	15	223	72	104	190
Restricted field.....	306	3	5	5	10	11	11	3	61	5	151	41
Unknown.....	271	21	6	3	9	54	3	3	78	5	35	54

¹ Includes only new additions whose eyes were examined by ophthalmologists or eye-ear-nose-and-throat specialists. Does not include 123 additions examined by other M.D.'s, 333 additions examined by non-medical and unknown disciplines, and 213 readmissions.

Table 18b.—Additions to MRA Registers in 1966; Percent of Etiology Total by Visual Acuity

Visual acuity group	Etiology group											
	Total ¹	Infectious diseases	Injuries, poisonings	Neoplasms	Diabetes	Senile degeneration	Vascular diseases	Other general diseases	Prenatal influence	Multiple etiologies	Unknown to science	Not reported or determined
MRA total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Absolute blindness.....	4.8	6.6	24.3	28.1	3.3	.9	4.1	10.0	4.1	4.9	6.8	7.3
Light perception.....	8.8	15.6	20.0	15.8	12.7	5.9	14.9	11.4	5.7	9.4	8.9	9.9
Light projection.....	1.2	.8	.7	0	1.2	1.5	2.0	0	.6	1.2	1.5	1.1
Less than 5/200.....	16.5	14.8	12.9	8.8	22.4	17.6	20.3	14.3	9.7	18.8	17.4	15.4
5/200 to less than 10/200.....	10.2	4.9	6.4	14.0	12.5	12.3	10.8	11.4	7.6	12.2	6.0	9.7
10/200 to less than 20/200.....	18.7	17.2	11.4	7.0	20.6	22.7	21.6	22.9	19.0	20.0	9.9	15.9
20/200.....	28.2	20.5	16.4	12.3	24.1	35.2	16.9	21.4	32.8	29.4	17.7	27.1
Restricted field.....	6.2	2.5	3.6	8.8	1.7	.7	7.4	4.3	9.0	2.0	25.8	5.9
Unknown.....	5.5	17.2	4.3	5.3	1.6	3.3	2.0	4.3	11.5	2.0	6.0	7.7

¹ Details may not add to total due to rounding.

Table 19a.—Additions to MRA Registers in 1966; Number by Etiology and Affection

Affection group	Etiology group											
	Total	Infectious diseases	Injuries, poisonings	Neoplasms	Diabetes	Senile degeneration	Vascular diseases	Other general diseases	Prenatal influence	Multiple etiologies	Unknown to science	Not reported or determined
MRA total.....	¹ 4,965	122	140	57	577	1,640	148	70	680	245	586	700
Glaucoma, not congenital.....	543	0	0	0	0	0	0	0	0	0	543	0
Myopia.....	110	0	0	0	0	0	0	0	46	0	0	64
Keratitis.....	53	39	0	0	0	0	1	7	1	0	0	5
Other affections of cornea or sclera.....	83	0	17	1	0	8	0	5	9	0	18	25
Cataract.....	938	22	3	0	0	² 774	0	0	106	0	0	33
Uveitis.....	160	34	2	0	0	1	0	8	13	0	0	102
Retrolental fibroplasia.....	50	0	17	0	0	0	0	0	0	0	0	33
Retinal degeneration.....	936	0	7	0	0	699	0	0	190	0	17	23
Other retinal affections.....	727	2	4	14	497	25	85	3	18	0	6	73
Optic nerve atrophy.....	259	8	26	28	1	0	12	37	39	0	0	108
Multiple affections.....	459	0	0	0	72	133	0	0	0	245	0	9
Unknown.....	237	5	3	1	6	0	11	1	15	0	0	195
Other.....	410	12	61	13	1	0	39	9	243	0	2	30

¹ Includes only new additions whose eyes were examined by ophthalmologists or eye-ear-nose-and-throat specialists. Does not include 123 additions examined by other M.D.'s, 383 additions examined by non-medical and unknown disciplines, and 213 readmissions.

² Includes 40 cases of senile-type cataract in diabetic persons.

Table 19b.—Additions to MRA Registers in 1966; Percent of MRA Total by Etiology and Affection

Affection group	Etiology group											
	Total ¹	Infectious diseases	Injuries, poisonings	Neoplasms	Diabetes	Senile degeneration	Vascular diseases	Other general diseases	Prenatal influence	Multiple etiologies	Unknown to science	Not reported or determined
MRA total.....	100.0	2.5	2.8	1.1	11.6	33.0	3.0	1.4	13.7	4.9	11.8	14.1
Glaucoma, not congenital.....	10.9	0	0	0	0	0	0	0	0	0	10.9	0
Myopia.....	2.2	0	0	0	0	0	0	0	.9	0	0	1.3
Keratitis.....	1.1	.8	0	0	0	0	0.0	.1	0.0	0	0	.1
Other affections of cornea or sclera.....	1.7	0	.3	0.0	0	.2	0	.1	.2	0	.4	.5
Cataract.....	18.9	.4	.1	0	0	15.6	0	0	2.1	0	0	.7
Uveitis.....	3.2	.7	0.0	0	0	0.0	0	.2	.3	0	0	2.1
Retrolental fibroplasia.....	1.0	0	.3	0	0	0	0	0	0	0	0	.7
Retinal degeneration.....	18.9	0	.1	0	0	14.1	0	0	3.8	0	.3	.5
Other retinal affections.....	14.6	0.0	.1	.3	10.0	.5	1.7	.1	.4	0	.1	1.5
Optic nerve atrophy.....	5.2	.2	.5	.6	0.0	0	.2	.7	.8	0	0	2.2
Multiple affections.....	9.2	0	0	0	1.5	2.7	0	0	0	4.9	0	.2
Unknown.....	4.8	.1	.1	0.0	.1	0	.2	0.0	.3	0	0	3.9
Other.....	8.3	.2	1.2	.3	0.0	0	.8	.2	4.9	0	0.0	.6

¹ Details may not add to total due to rounding.

Table 20a.—Additions to MRA Registers in 1966; Number by Etiology and Multiple Affection

Multiple affection group	Etiology group											
	Total	Infectious diseases	Injuries, poisonings	Neoplasms	Diabetes	Senile degeneration	Vascular diseases	Other general diseases	Prenatal influence	Multiple etiologies	Unknown to science	Not reported or determined
MRA total ¹	459	0	0	0	72	133	0	0	0	245	0	9
Glaucoma and other ²	169	0	0	0	0	1	0	0	0	168	0	0
Cataract and other ²	364	0	0	0	72	132	0	0	0	156	0	4
Retinal affection and other with diabetic etiology ²	82	0	0	0	72	0	0	0	0	10	0	0
Retinal affection and other without diabetic etiology ²	211	0	0	0	0	125	0	0	0	83	0	3
Degenerative myopia and other.....	28	0	0	0	0	0	0	0	0	24	0	4
Other.....	1	0	0	0	0	0	0	0	0	1	0	0

¹ The figures in a column do not add to the column total because multiple affection groups are not mutually exclusive. The MRA total includes only those persons whose eyes were examined by ophthalmologists or eye-ear-nose-and-throat specialists.

² Excludes degenerative myopia and other.

Table 20b.—Additions to MRA Registers in 1966; Percent of MRA Total by Etiology and Multiple Affection

Multiple affection group	Etiology group											
	Total	Infectious diseases	Injuries, poisonings	Neoplasms	Diabetes	Senile degeneration	Vascular diseases	Other general diseases	Prenatal influence	Multiple etiologies	Unknown to science	Not reported or determined
MRA total.....	9.2	0	0	0	1.5	2.7	0	0	0	4.9	0	.2
Glaucoma and other ¹	3.4	0	0	0	0	0.0	0	0	0	3.4	0	0
Cataract and other ¹	7.3	0	0	0	1.5	2.7	0	0	0	3.1	0	.1
Retinal affection and other with diabetic etiology ¹	1.7	0	0	0	1.5	0	0	0	0	.2	0	0
Retinal affection and other without diabetic etiology ¹	4.2	0	0	0	0	2.5	0	0	0	1.7	0	.1
Degenerative myopia and other.....	.6	0	0	0	0	0	0	0	0	.5	0	.1
Other.....	0.0	0	0	0	0	0	0	0	0	0.0	0	0

¹ Excludes degenerative myopia and other.

Table 21a.—Removals from MRA Registers in 1966; Number by Removal Reason and State

State	Why persons were removed from MRA register					
	Total	Death	Left state	Sight restored	Unable to locate	Other
MRA total.....	4, 596	2, 878	410	538	683	87
Connecticut.....	260	203	33	15	5	4
Kansas.....	343	207	49	79	6	2
Louisiana.....	297	171	26	93	2	5
Massachusetts.....	983	707	77	38	155	6
New Hampshire.....	138	113	16	8	0	1
New Jersey.....	737	283	44	44	358	8
New Mexico ¹	154	25	7	13	93	16
North Carolina.....	867	624	51	155	31	6
Oregon.....	298	178	46	57	12	5
Rhode Island.....	92	72	10	1	0	9
South Dakota.....	50	21	3	3	20	3
Utah.....	100	76	6	3	0	15
Vermont.....	60	48	10	2	0	0
Virginia.....	217	150	32	27	1	7

¹ Register inactive from June through December.

Table 21b.—Removals from MRA Registers in 1966; Percent of State Total by Removal Reason

State	Why persons were removed from MRA register					
	Total ¹	Death	Left state	Sight restored	Unable to locate	Other
MRA total.....	100.0	62.6	8.9	11.7	14.9	1.9
Connecticut.....	100.0	78.1	12.7	5.8	1.9	1.5
Kansas.....	100.0	60.3	14.3	23.0	1.7	.6
Louisiana.....	100.0	57.6	8.8	31.3	.7	1.7
Massachusetts.....	100.0	71.9	7.8	3.9	15.8	.6
New Hampshire.....	100.0	81.9	11.6	5.8	0	.7
New Jersey.....	100.0	38.4	6.0	6.0	48.6	1.1
New Mexico.....	100.0	16.2	4.5	8.4	60.4	10.4
North Carolina.....	100.0	72.0	5.9	17.9	3.6	.7
Oregon.....	100.0	59.7	15.4	19.1	4.0	1.7
Rhode Island.....	100.0	78.3	10.9	1.1	0	9.8
South Dakota.....	100.0	42.0	6.0	6.0	40.0	6.0
Utah.....	100.0	76.0	6.0	3.0	0	15.0
Vermont.....	100.0	80.0	16.7	3.3	0	0
Virginia.....	100.0	69.1	14.7	12.4	.5	3.2

¹ Details may not add to total due to rounding.

Table 22a.—Population in MRA Registers on December 31, 1966; Number by Age and Color/Sex

Color/sex group	Age group								
	Total	Under 5	5-19	20-44	45-64	65-74	75-84	85 and over	Unknown
MRA total.....	61,037	391	6,072	9,969	16,704	10,128	9,728	6,135	1,910
Male.....	30,174	204	3,420	5,840	9,125	4,814	3,886	2,039	846
Female.....	30,863	187	2,652	4,129	7,579	5,314	5,842	4,096	1,064
White.....	45,135	256	4,624	7,467	11,307	7,193	7,942	5,270	1,076
Male.....	22,194	139	2,585	4,467	6,305	3,394	3,143	1,693	468
Female.....	22,941	117	2,039	3,000	5,002	3,799	4,799	3,577	608
Nonwhite.....	13,786	77	1,043	2,378	5,126	2,742	1,586	709	125
Male.....	6,955	44	597	1,304	2,674	1,314	662	292	68
Female.....	6,831	33	446	1,074	2,452	1,428	924	417	57
Unknown color.....	2,116	58	405	124	271	193	200	156	709
Male.....	1,025	21	238	69	146	106	81	54	310
Female.....	1,091	37	167	55	125	87	119	102	399

Table 22b.—Population in MRA Registers on December 31, 1966; Rate by Age and Color/Sex

(A rate for a color or sex for an age group is equal to 100,000 times the number of such persons in MRA registers divided by the number of such persons in the MRA states.)

Color/sex group	Age group							
	Total	Under 5	5-19	20-44	45-64	65-74	75-84	85 and over
MRA total.....	146.7	8.2	52.6	73.9	204.9	418.2	955.6	2,935.4
Male.....	147.5	8.4	58.4	88.2	230.8	437.6	901.6	2,581.0
Female.....	146.0	8.0	46.6	60.1	180.5	402.3	995.2	3,126.7
White.....	125.8	(**)	47.9	63.5	156.0	330.7	857.7	2,803.2
Male.....	125.5	(**)	52.7	76.9	179.0	343.9	808.0	2,418.6
Female.....	126.1	(**)	43.0	50.3	134.2	319.5	893.7	3,005.9
Nonwhite.....	241.0	(**)	55.0	137.5	567.7	1,110.1	1,723.9	(—)
Male.....	250.8	(**)	63.0	160.2	621.9	1,152.6	1,576.2	(—)
Female.....	231.7	(**)	46.9	117.5	518.4	1,073.7	1,848.0	(—)

— Not computed because MRA had less than 25,000 nonwhites whose age was 85 and over, including sighted and blind persons.

** Not computed because color was unknown for more than 10 percent of the persons in the MRA registers whose age was under 5.

Table 23a.—Population in MRA Registers on December 31, 1966; Number by Color/Sex and State

State	Color/sex group											
	MRA total			White			Nonwhite			Unknown		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
MRA total.....	61,037	30,174	30,863	45,135	22,194	22,941	13,786	6,955	6,831	2,116	1,025	1,091
Connecticut.....	3,402	1,627	1,775	3,162	1,516	1,646	228	108	120	12	3	9
Georgia.....	5,055	2,566	2,489	2,410	1,268	1,142	2,480	1,212	1,268	165	86	79
Kansas.....	3,299	1,526	1,773	2,798	1,266	1,532	305	162	143	196	98	98
Louisiana.....	6,110	3,341	2,769	3,223	1,782	1,441	2,881	1,554	1,327	6	5	1
Massachusetts.....	9,741	4,427	5,314	9,080	4,135	4,945	304	150	154	357	142	215
New Hampshire.....	1,048	511	537	1,039	505	534	6	4	2	3	2	1
New Jersey.....	7,295	3,600	3,695	5,512	2,703	2,809	1,192	576	616	591	321	270
New Mexico.....	2,532	1,374	1,158	2,357	1,269	1,088	171	103	68	4	2	2
North Carolina.....	10,383	4,943	5,440	6,256	3,038	3,218	4,122	1,903	2,219	5	2	3
Oregon.....	2,489	1,238	1,251	2,327	1,141	1,186	59	38	21	103	59	44
Rhode Island.....	1,086	516	570	1,008	484	524	39	14	25	39	18	21
South Dakota.....	921	494	427	720	373	347	194	116	78	7	5	2
Utah.....	1,250	587	663	1,227	571	656	23	16	7	0	0	0
Vermont.....	695	301	394	695	301	394	0	0	0	0	0	0
Virginia.....	5,731	3,123	2,608	3,321	1,842	1,479	1,782	999	783	628	282	346

Table 23b.—Population in MRA Registers on December 31, 1966; Rate by Color/Sex and State

(A rate for a color or sex within a state is equal to 100,000 times the number of such persons in the MRA register divided by the number of such persons in the state.)

State	Color/sex group								
	MRA total			White			Nonwhite		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
MRA total.....	146.7	147.5	146.0	125.8	125.5	126.1	241.0	250.8	231.7
Connecticut.....	118.2	115.2	121.1	114.9	112.3	117.5	181.0	174.2	184.6
Georgia.....	113.7	118.2	109.5	75.9	80.8	71.1	195.4	201.3	190.1
Kansas.....	145.0	135.2	154.7	128.9	117.5	140.0	293.3	311.5	275.0
Louisiana.....	168.9	189.0	149.8	131.2	147.2	115.7	248.1	279.0	220.1
Massachusetts.....	180.3	169.7	190.2	172.3	162.5	181.3	230.3	230.8	233.3
New Hampshire.....	155.0	153.9	156.1	154.4	153.0	155.7	(—)	(—)	(—)
New Jersey.....	105.7	106.5	105.0	87.5	87.5	87.5	198.7	199.3	198.1
New Mexico.....	252.7	272.1	233.0	255.4	272.3	238.1	216.5	264.1	170.0
North Carolina.....	208.7	201.5	215.8	168.6	165.2	171.9	326.4	309.9	341.9
Oregon.....	126.2	126.1	126.2	120.4	118.7	122.0	143.9	(—)	(—)
Rhode Island.....	120.9	117.0	124.7	115.1	112.6	117.2	(—)	(—)	(—)
South Dakota.....	135.6	143.6	127.5	110.4	113.0	107.8	718.5	(—)	(—)
Utah.....	124.1	116.7	131.5	124.2	115.8	132.5	(—)	(—)	(—)
Vermont.....	169.1	149.0	188.5	169.5	149.0	189.4	0	0	0
Virginia.....	128.4	140.2	116.6	(**)	(**)	(**)	(**)	(**)	(**)

— Not computed because the State had less than 25,000 such people, including sighted and blind persons.

** Not computed because color was unknown for more than 10 percent of the persons in the state register.

Table 24a.—Population in MRA Registers on December 31, 1966; Number by Age and State

State	Age group								
	Total	Under 5	5-19	20-44	45-64	65-74	75-84	85 and over	Unknown
MRA total.....	61,037	391	6,072	9,969	16,704	10,128	9,728	6,135	1,910
Connecticut.....	3,402	27	516	529	816	542	549	388	35
Georgia.....	5,055	7	325	1,108	2,226	836	323	89	141
Kansas.....	3,299	11	274	425	701	471	752	661	4
Louisiana.....	6,110	30	529	1,135	2,208	1,181	653	285	89
Massachusetts.....	9,741	93	936	1,384	2,174	1,782	1,945	1,074	353
New Hampshire.....	1,048	13	137	131	235	161	194	160	17
New Jersey.....	7,295	69	1,008	1,146	1,999	1,196	1,036	670	171
New Mexico.....	2,532	4	122	298	391	335	544	411	427
North Carolina.....	10,383	69	914	1,741	2,836	1,802	1,848	1,172	1
Oregon.....	2,489	28	281	375	561	353	503	366	22
Rhode Island.....	1,086	6	138	200	300	192	149	91	10
South Dakota.....	921	5	84	141	196	173	186	112	24
Utah.....	1,250	3	129	194	220	169	303	231	1
Vermont.....	695	6	56	110	179	114	136	92	2
Virginia.....	5,731	20	623	1,052	1,662	821	607	333	613

Table 24b.—Population in MRA Registers on December 31, 1966; Rate by Age and State

(A rate for an age group within a state is equal to 100,000 times the number of such people in the MRA register divided by the state's population in this category.)

State	Age group							
	Total	Under 5	5 to 19	20 to 44	45 to 64	65 to 74	75 to 84	85 and over
MRA total.....	146.7	8.2	52.6	73.9	204.9	418.2	955.6	2,935.4
Connecticut.....	118.2	8.5	71.1	55.5	134.4	293.0	741.9	(—)
Georgia.....	113.7	1.3	24.4	76.5	277.2	380.0	358.9	(—)
Kansas.....	145.0	4.3	45.0	60.1	155.4	301.9	976.6	(—)
Louisiana.....	168.9	6.4	48.3	100.9	335.6	659.8	882.4	(—)
Massachusetts.....	180.3	16.1	68.9	81.2	186.6	454.6	1,137.4	2,902.7
New Hampshire.....	155.0	17.6	76.5	63.3	166.7	335.4	(—)	(—)
New Jersey.....	105.7	9.5	59.0	49.5	132.7	272.4	620.4	2,093.8
New Mexico.....	252.7	(*)	(*)	(*)	(*)	(*)	(*)	(*)
North Carolina.....	208.7	12.0	59.7	105.6	322.6	783.5	1,987.1	(—)
Oregon.....	126.2	13.5	51.4	62.8	134.5	263.4	852.5	(—)
Rhode Island.....	120.9	6.4	60.8	68.7	156.3	309.7	573.1	(—)
South Dakota.....	135.6	6.0	42.6	71.6	150.8	368.1	(—)	(—)
Utah.....	124.1	2.1	40.2	61.8	136.6	375.6	(—)	(—)
Vermont.....	169.1	13.0	48.3	91.7	215.7	407.1	(—)	(—)
Virginia.....	128.4	(*)	(*)	(*)	(*)	(*)	(*)	(*)

— Not computed because the state had less than 25,000 such people, including sighted and blind persons.

* Not computed because age was unknown for more than 10 percent of the persons in the state register.

Table 25a.—Population in MRA Registers on December 31, 1966; Number by Visual Acuity and State

State	Visual acuity group									
	Total	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 to less than 10/200	10/200 to less than 20/200	20/200	Restricted field	Unknown
MRA total.....	61, 037	7, 169	7, 265	660	9, 598	5, 815	8, 825	12, 695	3, 346	5, 664
Connecticut.....	3, 402	372	352	68	508	296	348	685	173	600
Georgia.....	5, 055	889	764	115	898	483	620	905	242	139
Kansas.....	3, 299	456	379	42	479	379	575	800	126	63
Louisiana.....	6, 110	854	744	86	1, 215	414	879	1, 107	627	184
Massachusetts.....	9, 741	829	850	76	1, 497	1, 139	1, 932	2, 261	589	568
New Hampshire.....	1, 048	109	125	5	175	83	181	238	54	78
New Jersey.....	7, 295	922	1, 036	88	972	935	1, 077	1, 445	422	468
New Mexico.....	2, 532	226	365	10	327	185	192	545	23	659
North Carolina.....	10, 383	1, 067	1, 260	88	1, 795	822	1, 481	2, 389	489	992
Oregon.....	2, 489	310	306	7	402	247	494	549	171	3
Rhode Island.....	1, 086	125	134	9	172	115	126	192	65	148
South Dakota.....	921	119	111	13	72	77	103	120	35	271
Utah.....	1, 250	72	82	7	157	102	237	256	23	314
Vermont.....	695	80	92	11	108	61	93	140	61	49
Virginia.....	5, 731	739	665	35	821	477	557	1, 063	246	1, 128

Table 25b.—Population in MRA Registers on December 31, 1966; Percent of State Total by Visual Acuity

State	Visual acuity group									
	Total ¹	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 to less than 10/200	10/200 to less than 20/200	20/200	Restricted field	Unknown
MRA total.....	100.0	11.7	11.9	1.1	15.7	9.5	14.5	20.8	5.5	9.3
Connecticut.....	100.0	10.9	10.3	2.0	14.9	8.7	10.2	20.1	5.1	17.6
Georgia.....	100.0	17.6	15.1	2.3	17.8	9.6	12.3	17.9	4.8	2.7
Kansas.....	100.0	13.8	11.5	1.3	14.5	11.5	17.4	24.2	3.8	1.9
Louisiana.....	100.0	14.0	12.2	1.4	19.9	6.8	14.4	18.1	10.3	3.0
Massachusetts.....	100.0	8.5	8.7	.8	15.4	11.7	19.8	23.2	6.0	5.8
New Hampshire.....	100.0	10.4	11.9	.5	16.7	7.9	17.3	22.7	5.2	7.4
New Jersey.....	100.0	12.6	14.2	1.2	13.3	12.8	13.8	19.8	5.8	6.4
New Mexico.....	100.0	8.9	14.4	.4	12.9	7.3	7.6	21.5	.9	26.0
North Carolina.....	100.0	10.3	12.1	.8	17.3	7.9	14.3	23.0	4.7	9.6
Oregon.....	100.0	12.5	12.3	.3	16.2	9.9	19.8	22.1	6.9	.1
Rhode Island.....	100.0	11.5	12.3	.8	15.8	10.6	11.6	17.7	6.0	13.6
South Dakota.....	100.0	12.9	12.1	1.4	7.8	8.4	11.2	13.0	3.8	29.4
Utah.....	100.0	5.8	6.6	.6	12.6	8.2	19.0	20.5	1.8	25.1
Vermont.....	100.0	11.5	13.2	1.6	15.5	8.8	13.4	20.1	8.8	7.1
Virginia.....	100.0	12.9	11.6	.6	14.3	8.3	9.7	18.5	4.3	19.7

¹ Details may not add to total due to rounding.

Table 26a.—Population in MRA Registers on December 31, 1966; Number by Visual Acuity and Color/Sex

Color/sex group	Visual acuity group									
	Total	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 to less than 10/200	10/200 to less than 20/200	20/200	Restricted field	Unknown
MRA total.....	61,037	7,169	7,265	660	9,598	5,815	8,825	12,695	3,346	5,664
Male.....	30,174	3,707	3,474	318	4,743	2,842	4,146	6,215	1,919	2,810
Female.....	30,863	3,462	3,791	342	4,855	2,973	4,679	6,480	1,427	2,854
White.....	45,135	4,768	4,996	471	6,807	4,482	6,993	9,983	2,341	4,294
Male.....	22,194	2,514	2,422	225	3,317	2,155	3,241	4,829	1,361	2,130
Female.....	22,941	2,254	2,574	246	3,490	2,327	3,752	5,154	980	2,164
Nonwhite.....	13,786	2,226	2,081	180	2,572	1,147	1,506	2,272	935	867
Male.....	6,955	1,102	962	88	1,335	586	768	1,134	525	455
Female.....	6,831	1,124	1,119	92	1,237	561	738	1,138	410	412
Unknown color.....	2,116	175	188	9	219	186	326	440	70	503
Male.....	1,025	91	90	5	91	101	137	252	33	225
Female.....	1,091	84	98	4	128	85	189	188	37	278

Table 26b.—Population in MRA Registers on December 31, 1966; Percent of Color/Sex Total by Visual Acuity

Color/sex group	Visual acuity group									
	Total †	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 to less than 10/200	10/200 to less than 20/200	20/200	Restricted field	Unknown
MRA total.....	100.0	11.7	11.9	1.1	15.7	9.5	14.5	20.8	5.5	9.3
Male.....	100.0	12.3	11.5	1.1	15.7	9.4	13.7	20.6	6.4	9.3
Female.....	100.0	11.2	12.3	1.1	15.7	9.6	15.2	21.0	4.6	9.2
White.....	100.0	10.6	11.1	1.0	15.1	9.9	15.5	22.1	5.2	9.5
Male.....	100.0	11.3	10.9	1.0	14.9	9.7	14.6	21.8	6.1	9.6
Female.....	100.0	9.8	11.2	1.1	15.2	10.1	16.4	22.5	4.3	9.4
Nonwhite.....	100.0	16.1	15.1	1.3	18.7	8.3	10.9	16.5	6.8	6.3
Male.....	100.0	15.8	13.8	1.3	19.2	8.4	11.0	16.3	7.5	6.5
Female.....	100.0	16.5	16.4	1.3	18.1	8.2	10.8	16.7	6.0	6.0
Unknown color.....	100.0	8.3	8.9	.4	10.3	8.8	15.4	20.8	3.3	23.8
Male.....	100.0	8.9	8.8	.5	8.9	9.9	13.4	24.6	3.2	22.0
Female.....	100.0	7.7	9.0	.4	11.7	7.8	17.3	17.2	3.4	25.5

etails may not add to total due to rounding.

Table 27a.—Population in MRA Registers on December 31, 1966; Number by Visual Acuity and Age

Age group	Visual acuity group									
	Total	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 to less than 10/200	10/200 to less than 20/200	20/200	Restricted field	Unknown
MRA total	61,037	7,169	7,265	660	9,598	5,815	8,825	12,695	3,346	5,664
Under 5	391	89	78	11	15	6	14	16	0	162
5 to 19	6,072	966	815	45	521	380	770	1,607	76	892
20 to 44	9,969	1,332	1,179	96	1,374	856	1,442	2,359	631	700
45 to 64	16,704	2,115	2,019	207	2,936	1,638	2,387	3,086	1,317	999
65 to 74	10,128	1,175	1,319	124	1,893	988	1,397	1,900	674	658
75 to 84	9,728	914	1,075	99	1,671	1,084	1,548	2,121	422	794
85 and over	6,135	474	663	71	1,033	746	1,005	1,268	156	719
Unknown	1,910	104	117	7	155	117	262	338	70	740

Table 27b.—Population in MRA Registers on December 31, 1966; Percent of Age Total by Visual Acuity

Age group	Visual acuity group									
	Total ¹	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 to less than 10/200	10/200 to less than 20/200	20/200	Restricted field	Unknown
MRA total.....	100.0	11.7	11.9	1.1	15.7	9.5	14.5	20.8	5.5	9.3
Under 5.....	100.0	22.8	19.9	2.8	3.8	1.5	3.6	4.1	0	41.4
5 to 19.....	100.0	15.9	13.4	.7	8.6	6.3	12.7	26.5	1.3	14.7
20 to 44.....	100.0	13.4	11.8	1.0	13.8	8.6	14.5	23.7	6.3	7.0
45 to 64.....	100.0	12.7	12.1	1.2	17.6	9.8	14.3	18.5	7.9	6.0
65 to 74.....	100.0	11.6	13.0	1.2	18.7	9.8	13.8	18.8	6.7	6.5
75 to 84.....	100.0	9.4	11.1	1.0	17.2	11.1	15.9	21.8	4.3	8.2
85 and over.....	100.0	7.7	10.8	1.2	16.8	12.2	16.4	20.7	2.5	11.7
Unknown.....	100.0	5.4	6.1	.4	8.1	6.1	13.7	17.7	3.7	38.7

¹ Details may not add to total due to rounding.

Table 28.—Additions to MRA Registers 1962-66; Rate by Year and State

(Addition rate for a year is equal to 100,000 times the additions to the register that year divided by the state's population on year's last day.)

State	Addition rate for				
	1962	1963	1964	1965	1966
MRA total.....	16.3	15.6	16.5	15.8	15.3
Connecticut.....	11.0	12.7	13.5	11.8	14.0
Kansas.....	19.7	18.0	17.9	16.7	16.7
Louisiana.....	14.8	12.7	23.2	11.9	10.5
Massachusetts.....	18.3	18.9	17.9	18.4	18.7
New Hampshire.....	21.7	20.7	19.3	19.8	21.2
New Jersey.....	11.7	9.0	8.7	10.2	9.2
New Mexico.....	(¹)	(¹)	(²)	17.6	³ 6.7
North Carolina.....	22.0	23.0	25.6	25.6	23.3
Oregon.....	(¹)	14.5	24.6	24.4	23.0
Rhode Island.....	11.3	13.1	10.8	10.5	8.8
South Dakota.....	(¹)	(¹)	(¹)	(²)	17.1
Utah.....	(¹)	(¹)	(¹)	15.2	14.8
Vermont.....	30.2	25.2	19.6	19.8	19.2
Virginia.....	(¹)	(¹)	9.1	11.9	14.2

¹ Not a member of MRA in this year.

² Not available.

³ Register inactive from June through December.

Table 29.—Population in MRA Registers on December 31, 1962-66; Rate by Year and State

(A state's rate for a year is equal to 100,000 times the population in the register divided by the state's population.)

State	Rate as of December 31				
	1962	1963	1964	1965	1966
MRA total	161.2	150.7	150.2	149.4	146.7
Connecticut	120.7	123.2	115.7	115.1	118.2
Georgia	(1)	(1)	(1)	(1)	113.7
Kansas	138.9	142.4	145.2	145.2	145.0
Louisiana	221.8	166.1	179.3	169.3	168.9
Massachusetts	174.1	178.2	177.1	181.2	180.3
New Hampshire	171.2	175.2	165.7	154.4	155.0
New Jersey	102.8	103.3	103.1	109.2	105.7
New Mexico	(1)	(1)	285.0	257.0	252.7
North Carolina	220.8	210.1	212.0	204.9	208.7
Oregon	(1)	112.7	115.9	120.3	126.2
Rhode Island	114.5	115.9	116.5	123.1	120.9
South Dakota	(1)	(1)	(1)	125.2	135.6
Utah	(1)	(1)	(1)	120.7	124.1
Vermont	188.4	165.4	168.9	167.3	169.1
Virginia	(1)	(1)	108.6	120.0	128.4

Not a member of MRA in this year.









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